he Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 620 .--- Vol. XVII.

LONDON, SATURDAY, JULY 10, 1847.

PRICE 6D.

FOREST OF DEAN, GLOUCESTERSHIRE.

LAST-FURNACE AND COLLIERIES.—TO BE SOLD,
BY AUCTION, by Mr. WHITE, at the Bell Inn, in the sity of Gloucestor, on Tuesthe 18th day of July, 1847, at Three c'cleck in the afternoon punctually, in one lot,
newly-crected and valuable BLAST-FURNACE, for the smelting of iron, called

Ay, the 13th day of July, 1847, at Three o'clock in the afteracon punctually, in one lost a newly-erected and valuable BLAST-FURNACE, for the smelting of iron, called DARK-HILL FURNACE,
with the ENGINES, MACHINERY, apparatus, hot-blast stores, casting-house, carpen ere and blacksmiths' shops, and other buildings, code-yard, furnace-yard, water perceived in the work of the server of the state and such as the state of the server and Wys Railway, and of the terresto belonging and adjoining, the site whereof comprises, in the whole, 5.a. 3a. 17**, or thereabouts, situate within a few yards of the server and Wys Railway, and of the turnplac-road locating from Calcord Park End and Blakessey, in the downship of West Dean, in the Forest o'Dean. Also, the two very laterable COAL MINES, GALES, or LEVELS, o'CoAL, solid on the situate in the indiversity of West Dean, with the buildings, coke-yards, tram-plates, and other mains and things used in working the same collection, and new being in, upon, or under the same. The collection comprise the coll under shoult 469 serve of land, and are called the same. The south of the Dark-Hill level lies within 80 years of the server and Wys Railway, and wilkin about 260 yards of the furnace. The black furnace is capable of making from 50 to 70 tons per week of pig-iron, which as see manufactured and delivered at the shipping port of Lydney, at a cost, including Viry x goones, not exceeding 58s, per sees.

The DARK-HILL OLLIER's is subject to a yearly rent or royalty of three half-pence for every tone of coal brought out, payable to the crown half-yearly; and if such rent shall occament within any year to £3, then a reat of £3 in lies thereof.

anni where are HUTCASTLE COLLIERY is surgested to the crown half-yearly reaction of coal brought out, also payable to the crown half-yearly rest amount within sury year to £2, then a ront of £2 in fleu thereof, and relief the payable to the payable the payable to the form of all years (except the less three days of the said term), com is fay of January, 1845, and is subject to the payment, to the propriete rid part, of £4.4. for every two of pig-from made upon the premises, and the rys ton of salesable coal resed or gotten out of the premises, other than as a fairly raised for household purposes by workman employed in the salesable coal resed or gotten out of the premise.

VALUABLE MINING SETT AND MATERIALS.

E. RENDELL has received instructions to OFFER FOR SALE, BY FUBLIC AUCTION, on Monday, the 19th day of July inst., by Two a the afternoon precisely, at the Account-house, on the mine, the RESIDUE of OF TWENTY-ONE YEARS, of which is are unexpired, the SETT, or GRANT. E at WHEAL MARY, in the parjah of CALSTOCK, CORNWALL, is under-mentioned MINING MATERIALS, which are nearly now, consisting of Rt-WHEEL, 3 feet breast, with the whim, bob, balance and condensing wall, a capatan and shears, pumps, rocks, ladders, kibbles, pulleys, stands, and other necessary for working the mine—the same being now fixed, and in a proper for preving the same: together with smills bellows, smill, vice, screw stock, beam and scales, and this tools, a lot of time, of different sorts, steel, expensive inher, wheelbarrows, grinding-stone and frame, barrels, cheests, if doesn of see.—The present shareholders have thought it adviseds to offer the above for me lot, in the situation in which it is now fixed.

In and materials now offered may be viewed, on application at the mine, and way seven on the situation of the situation of the situation of the same and materials now offered may be viewed, on application at the mine, and was the one actions of the situation of the situation of the situation of the situation of the same and materials now offered may be viewed, on application at the mine, and was the continued on as to the auctioneer; see Mr. Smell, solicitor, Callington.

CRITICATION THE DENNEST OF THE UNDERWRITERS, AND FOR THE PAYMENT OF SALVAGE CHARGES.

OR THE DENNEST OF THE UNDERWRITERS, AND FOR THE PAYMENT OF SALVAGE CHARGES.

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OR THE DENNEST OF THE UNDERWRITERS, AND FOR THE PAYMENT OF THE P

O BE SOLD, BY PRIVATE CONTRACT, at GODOL-PHIN MINES, ONE 26-inch PUMPING-ENGINE, 6 see stroke, equal beam, r, 5 tons, balance, bob, and first piece of root NE 24-inch STAMPING-ENGINE, 6 feet stroke, boiler, 11 tons. NE 24-inch WHIM JENGINE, 6 feet stroke, boiler, 11 tons, and cage. NE 34-inch WHIM-ENGINE, 6 feet stroke, boiler, 7 tons, and cage. XI TUBULAR BOILERS, 15 feet stroke, boiler, 7 tons, and cage. Large IRON BALANGE-BOB, 12 tons.

LAST-ENGINES.—TO BE SOLD, a very powerful con-densing BLAST-ENGINE, with a 54-inch steam cylinder, and 108-inch blowing ader, working 8-feet stroke. It is in a good state of repair, the greater part having new within the last seven years. Also, a strong CAST-IRON BEAM, 27 feet long weight about 12 tons. Also, a 50-inch and a 57-inch STEAM-CYLINDER, to work at stroke.—For price, and further particulars, apply by letter, 104 Box, Post-office

O CAPITALISTS .- CARMARTHENSHIRE AND n of Irons

MINING ADVENTURERS SUBSCRIPTION ROOM,
98, THREADNEEDLE-STREET, LONDOM.

The ANNUAL SUBSCRIPTION to be ONE GUINEA, which will entitle the subscriber to the faily use of the room, of the mining periodicals, and to the depositing and capit libiting of specimens of ore, and reports connected therewith.

The above annual subscription shall entitle a mining company to the exhibition of periodicals, and the subscription shall entitle a mining company to the exhibition of periodical contents, reports, and the sark of their puriod, or expatials.

It is intended, should this Subscription Room receive the support and patronage of adventurers generally, to obtain more ample accumandation for establishing has association in every respect commensurate with the important interest thereby represented; and strong the subscription of the content of the

O BE LET, the PARK-HILL MINES, DEAN FOREST GLOUCESTERSHIPE—containing ONE MILLION TONS OF COAL, and ON ILLION TONS of rich IRON ORE, which, being calcareous, smelts well with argill sons ironstone, and may be delivered in large quantities to the Staffordshire, Shropshir and Welsh iron-works, at a price far below the cost of local ironstones. The mines a rainable by level, and can be opened at a trifling expense; and, were blast-turnecreted, their produce might be smelted on the spot into excellent iron.—Apply (possid) to Henry H. Fryer, Esq., solicitor, Colessed, Gloucestershire. ng ONE MILLION TONS OF COAL, and ONI hich, being calcareous, smelts well with argilla large quantities to the Staffordshire, Shropshire

In reply, we may state, that, within the last five or six years, we have covered 30 or cases with Ross clates; and they are a useful, good looking, article, and we have reason to doubt their proving durable in quality.

quality.
For MALCOMSON, BROTHER, & SHAW.
(Signed) ROBERT SHAW.

(Signed) ROBERT SHAW.

Curraghmore, May 16, 1845.

I can certify, that the Ross slates are the best that I have seen—they cover very we are a good sound slate, and the weather does not affect them. The tenants are us them on the estate, where they are highly approved of.

(Signed) RICHARD EGAN,
Slater to the Marquis of Waterford.

I received your letter, and likewise the case, containing the samples on a surface and will surely take here.
(Signed) NICHOLAS HAYES, Architect.

TO CAPITALISTS.—VALUABLE SLATE QUARRY, near the SOUTH COAST of ENGLAND.—TO BE DISPOSED OF, BY PRIVATE CONTRACT, the UNEXFIRED TERM, with all the STOCK, MACHINERY, &c., of a truly valuable SLATE QUARRY, neasessing advantages superior to most quarties in the United Kingdom. This very desirable property is situated only about three-quarters of a mile from a shipping place, where vessels of 130 or 200 tone can approach, and to which place the siste can be brought from the quarry, at the small cost of 10d, per ton, and from which place barges can be procured at 7d, per ton, if required, to convey the same to one of the most secure harbours in the English Channel, where vessels of 900 to 700 tons can at all times receive their cargoes affoat.

The quarry produces slabe of the largest sizes, and are brought out so true, as for require little labour to give them a fair surface, whilst they are also easily converted into the required covering slates of all descriptions; the quality of which, for durability and colour, is unquestionable, as may be ascertained in the vicinity, where public buildings have been covered with this slate from 100 to 200 years, and which is now perfect. Affidavits can also be obtained from the oldest trademen, if required, in proof of its justymentical reputation.

There are at present on the floors (which are very extensive, and through which level railreads pass) a stock of slate, of all descriptions, the alabs, flooring, and sizes, which, with the removeable machinery, is valued at £4000.

This very important quarry is worked by lines, Painter Constituted. TO CAPITALISTS.—VALUABLE SLATE QUARRY, near

most astishedory reasons can be given for its disposal by the present proprietor, il further particulars known, on application at the offices of Mr. W. H. Smith, 10, ford-court, Throgmorton-street, London; and Mr. G. Trickett, jun., Union-road, buth, where samples of the slate may be seen.

THE PATENT SAFETY FUSE
FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARIN
DERATIONS...-This article affords the SAFEST, CHEAPEST, and most EXPEDI
TIOUS MODE of effecting this very hazardous operation. From many testimonies to it
seculness with which the manufacturers have been favoured from every part of the king
tom, they select the following letter, recently received from John Taylor, Esq., F.R.S.
e.,----"I are very glad to hear that my recommendations have been of any service is
rou; they have been given from a thorough, conviction of the great usefulness of the
staffy Frace; and I am onthe willing that you should comply my mane as evidence of this. m, they select the following letter, recently as the select the following letter, recently as they have been given from a thorough combut from a thorough combut from a more and I am quite willing that you sho Manufactured and sold by the Patentees. By

BRUNTON'S PATENT ORE-DRESSING FRAME.

FFICE FOR PATENTS, 7, STAPLE INN, HOLBORN.

J. MURDOCH (ancoese) and late assistant to Mr. Hebert)

as HWENTOES and PATENTEES, that, at his OFFICE, they can obtain

REFERENCE TO A CLASSIFIED LIST OF PATENTS,

other OWE RETAIN), which shows at one view all the Patents over granted for any

atlan object, whereby size may seve much trouble and expense, and procure intion not otherwise obtainable. SHITTSH and FOREIGN FATENTS OBTAINED,

SETUL and ORNAMENTAL DESIGNS REGISTREED.

IMPORTANT TO MINE ADVENTURERS.—TO BE DISPOSED OF, BY PRIVATE CONTRACT, ONE-FOURTH, ONE-THIRD, or HALF,
of one of the most promising MINES in this county. The outlay, to get the mine in
good course of working, will be £10,000; for which outlay, specialtors will receive at
least 20 per cent., after the first year. Parties, therefore, taking one-half of the mine, can,
if they prefer it, have the management transferred to themselves.—For further particulary,
apply to "A. B.," Post-office, Truro.—July 1, 1847.

DOCK COMPANIES, WHARFINGERS, &c. &c., can be SUPPLIED with REGEOUND CRANES, of superior construction, and of any size, to life from one to tona each.—Drawings and prices may be had on application to Mr. Alex. Reid, Mormon Chambers, Fish-street-bill. TRON GROUND CRANES .- RAILWAY COMPANIES.

WANTED, A SET OF PUMP STOCKS (without working barrel), 16-inch diameter, for a depth of 92 yards. Also, a 15-inch or 16-incl PLUNGER SET, complete, for a depth of 63 yards.—Required the price delivered a Wigan.—Apply to Mesers. Hustler and Brancker, Orrell Colliery, near Wigan.

Orrell Colliery, July 6, 1847.

WANTED, by the advertiser, lately employed in the superintendence of mining operations on the continent, and who possesses a knowledge of assaying, chemical analysis, the reduction of lead and copper ores, surveying, levelling napping, together with other branches of civil engineering, AN ENGAGEMENT. Niesteino to go abroad.—Address (post-paid), "M. E.," care of the Editor of the Mining coursel, 26, Floot-street, London.

VILSON & FRASER, 2, WELLINGTON - BUILDINGS, LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALE G-IBON, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS.

MR. R. TREDINNICK, MINING AGENT AND DEALER
IN EVERY DESCRIPTION OF SHARES.
THREE KINGS COURT, LOMBARD-STREET, LONDON.

THOMAS P. THOMAS, MINE AGENT, AND DEALER
IN RAILWAY AND OTHER SHARES.
18, THEADNEEDLE-STREET, LONDON.
BUYER in Wheal Trelaway and Wheal Mary Ann, at fair market prices.

MINING OFFICES, 1, ST. MICHAEU'S-ALLEY, CORNHILL, LONDON.

ATSON AND CUELL, MINE AGENTS.—

N.B.—STATISTICAL INFORMATION furnished (on application) to SHARM

HOLDERS in MINES in Cornwall, Devon, Scotland, Ireland, Wales, and Spain. WILLIAM H. SMITH, MINING SHARE AGENT

JONATHAN DAVEY, MINE AGENT, SURVEYOR, AND SHAREBROKER,
MATTHE W-STREET, TAVISTOCE.
Mines surveyed, inspected, and reported on, at the shortest notice; plans, sections, and dialling performed, by day or contract.

MESSRS. WINSTANLY AND CO., SHAREBROKERS, inform their friends and the public, they BUY and SELL every description of RAILWAY SHARES on the most advantageous terms; they also make advances upon the deposit of scrip and shares for periods as may be agreed.

6, Bank Chambers, City.

JAMES LANE, MINING SHARE DEALER

BRITISH MINING OFFICES, 41, MOORGATE-STREET LONDON.—PROSPECTUSES may be had, and ORIGINAL SHARES ALLOTTED in the COPPER and SILVER-LEAD MINES connected with these offices, on application to the secretary,

CIATION.—Notice is hereby given, that the HALF TEARLY GENERAL MEETING of proprietors of this association will be HELD at the office of the company, 36, Austintriars, on Monday, the Sich July Inst., at One oclock processly.

26, Austinfriars, July 7, 1847.

WILLIAM LECKIE, Secretary.

EORGIA TIN MINES, divided into 2048 shares, and worked ON THE COST. BOOK SYSTEM.

The necessary arrangements having been made for carrying out the operations of the company, all future communications are equivalent to be addressed to the offices of the company, 21, THROGMORTON-STREET, LONDON, where the specimens and plans with the correspondence, may be seen.

ROYAL SANTIAGO MINING COMPANY.—The direct hereby give Notice, that the ANNUAL GENERAL MEETING of the sholders will be HELD at the office of the company on Wednesday, the 14th of July at One o'clock precisely, when the directors will make their report.

39, Broad-street-buildings, June 26, 1847.

TAMAR SILVER-LEAD MINING COMPANY—
SMELTING DEPARTMENT.
Notice is hereby given, that the INTEREST, at 5 per cent., to the 30th inst., on the DEBENTURES of this company, will be PAID on Wednesday, the 14th proximo, and following Wednesdays between the hours of Twelve and Four o'clock.

44, Finsbury-square, London, June 24, 1847.

TRELEIGH CONSOLIDATED MINING COMPANY.—
A DIVIDEND (the second since May last) of SIX SHILLINGS per share—bein
5 per cent. on the paid-up capital—has been this day declared, PAYABLE on Monda
the 3d of August, and on every succeeding Monday, between the hours of Eleven are
three o'clock. The Coupons, with a list, according to a form, which may be obtained
the office, must be left for examination three clear days previous to payment.

57, Old Bread-street, July 5, 1847.

WM. NICHOLSON, Secretary.

A SSAYING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUFACTORIES, that he still continues to CONDUCT ASSAYS and ANALYSES of all PRODUCTS, metallurgical and manufacturing, at his LABORATORY.

23, HAWLEY-ROAD, KENTISH TOWN, LONDON, to which address communications are to be forwarded.—Instruction in all branshes of

A DCOCK'S PATENT SPRAY PUMP.—This imports INVENTION having been PERFECTED, and brought into SUCCESSE PRACTICAL OPERATION at LLANHIDDEL, at pits belonging to R. J. Blewitt, E. M. P., Llankarrama Abbey, near Newport, Monmouthahre, the PATENTEE is ready RECEIVE, and to execute, ORDERS.—Apply to Henry Adocck, C.E., at his offices, Strand, London, where pamphlets, descriptive of the invention, may be had; at the of the Mining Journal, 26, Fleet-street; and through any respectable booksellee—prices

VENTILATION OF COAL MINES DIRAM'S ANEMOMETER, FOR ASCERTAINING THE VENTERATION OF COAL MINES.—The INSTRUMENT is now EMPLOYED ymany EMINENT ENGINEERS, to whom reference can be given.

For particulars apply to the patentee, B. Biram, Esq., Wentworth, near Rotherham.

PIERS FOR BREAKWATERS, BRIDGES, VIADUCTS
RAILWAYS, EMBANKMENTS, HARBOURS, and all WORKS requiring PILE
DRIVING, of every description, may be cheaply, quickly, and securely founded, in
under water, by the ATMOSPHERIC PROCESS, which is pateronised by the Government
the Trinity Board, the Ordnance Department, and many eminent engineers and contract
The PROCESS may be SEEN at Mo. 3, BUCKHNIGHAM-STREET, ADELPHI, and

PATENT GALVANISED IRON AND WIRE ROPE W
ATTLWALL, POPLAR.
ANDREW SWITH begs to inform the Mining Railway, and Sinoping since a
so obtained a PATENT for an IMPROVED METHOD of GALVANISMS to
using a much superior article at a considerable saving in cost—the improved
the state of the same and superior article as a considerable saving in cost—the improved.

A GRICULTURIST CATTLE INSURANCE COMPANY, 0, CHATHAM-PLACE, BLACKPHARS, LONDON, And No. 9, NOUTH ST. ANDREW-ATREST, EDIMEURGH. (Registers of under 7 and 8 Victoria, cap. 110.) Anders dead Capital 2500,000.

This company was established for the protection of Farmers and Agricultures against Loss by Disease or Accident among their Live Farmers Stock, in June, 1845; and, on the 31st of December, 1846, had issued 15,000 agreements, and paid upwards of £33,000 for losses.—This being a Froyauraar Company, with a subscribed capital, insurers incur to lability beyond the amount of their premiums, and are put to no additional expense. There-fourths of the insured amount is paid in case of less, and column are punctually paid every week.

LIFE INSURANCE DEPARTMENT.

Age next	Whole of Life	Whole of Life with	For the	Term of
Birth Day.	without Profits.	Profits.	One Year.	Five Years.
15 20 25 30 40 50	£1 11 3 1 15 0 1 19 10 2 5 7 2 6 7 4 4 7	£1 13 7 1 17 8 2 2 10 2 9 1 3 5 4 4 11 4	£9 46 10 1 1 3 1 4 0 1 5 9 1 9 10 2 1 6	£0 18 8 1 2 5 1 4 8 1 6 4 1 11 4 2 5 7

r prospectuses, and every other information, may be made to WILLIAM FENTON, Esq., Mana OB TO THE LOCAL AGENTS.

NATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, 26, CORNHILL, LONDON.

Capital £500,000.—Empowered by Act of Parliament.

This institution embraces important and substantial advantages with respect to Life Assurances and Deferred Annuities. The assured has, on all eccasions, the power to berrow, without expense or forisiture of the policy, two-thirds of this premiums pall (see lable); also the option of selecting benefits, and the conversion of his interests to meet other conveniences or necessity.

necessity.
of years are granted on the lowest possible rates.

DIVISION OF PROFITS.

steadle success and increasing presperity of the society has enabled the dithe last annual investigation, to declare a fourth bonus, varying from 35 to
en the premiums paid on each policy effected on the prefit scale.

EXAMPLES.

Age.	Sum.	Prem.	Year.	Bonus	Bonus added.		Bonus added.			nak.		Permane of Pr		Assur		
60	£1000	£0 34	{ 1837 1838 1839 1840 1841	192 165 116	117	0 10 6	87 74 54	1 0	4	13 11 7	1 10	£445 395 346 296 247	11 2 13	3 4		

The division of predix is annual, and the next will be made in December of the presents.

F. FERGUSON CAMROUX, Secretary.

EMONNIER, HAIR-WORKER to the Queen and Member of the Academie de l'Industrie, and who obtaine liver and Platina Medal at the Exhibition, has just INVENTED at MEW DESIGNS, as Palm Trees, Wreaths, Knots, and Cypher A variety of Trees executed by a mechanical process.

No. 13, RUE DU COQ SAINT HONORE. PARIS.

THE SILENT FRIEND: a medical work, on the concealed

HE SILENT FRIEND: a medical work, on the concealed cause of constitutional or acquired debility, loss of muscular energy, and derangent of file generative system, nervous debility, constitutional weakness, excessive ingence, &c.; with Observations on Marriage, &c. By R. and L. PERRY and Co., surs, London. Published by the authors, and sold at their residence; also by Strange, Paternoster-row; Hannay & Co., 63, Oxford-street; Noble, 109, Chancery-lane, 109; Paternoster-row; Parkiss, Compton-street, Soho, London. Part II. of this work is addressed to those who are prevented from forming a marriadical alliance, and will be found as available introduction to the means of perfect and set restoration to menhood.—Part II. treats upon those forms of diseases, either in their marriadical aid, entail upon themselves years of misery and suffering the CORDIAL BALM of SYRIACUM is a stimulant and renovator in all cases of contained to a particular and the course of the graphed of the completent medical aid, entail upon themselves years of misery and suffering the CORDIAL BALM of SYRIACUM is a stimulant and renovator in all cases of contained and captured debility; by its use the whole system becomes restored to a healthy

ate of organisation. Sold in bottles, price 11s. and 33s.

THE CONCENTRATED DETERSIVE ESSENCE.—An anti-syphilitic rem

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,
With 25 coloured engravings.
Jast published (in a sealed cavelope), price 2a. 6d.; or post-paid to any address, 3s. 6d.,
in Post-office order or stamps.
SELF-PRESERVATION: A Medical Treatise, on Marriage, and
on those Secret Infirmities and Disorders of Youth and Maturity that are recommended. EL.F.-PRESERVATION: A Medical Treatise, on Marriage, and on those Servez Infrantises and Disorders of Youth and Maturity that are usually aced at an early period of life, which tend to destroy physical and mental energy, art, passion, and all the attributes of manhood. 'Hustrated with twenty-five coloured avings, on the anatomy, physiology, and diseases of the urinary and reproductive or-explaining their various structures, uses, and functions, and showing the injuries the produced in them, by softiary labits, excesses and infection. With practical obsertings on the treatment of servous debility, local and constitutional weakness, sphills, tre, and other diseases of the urchira. By SAMUEL LA'MELT, consalling surface Edinburgh, Honorary Member of the London Hospital Medical Society, Licentiate pothecaries' Hall, London, &c.

REVIEWS OF THE WORE.

The anther of this singular and talented work is a legally qualified medical man, who widently had considerable experience in the treatment of the various disorders, arising

his singular and talented work is a legally qualified medical man, who onsiderable experience in the treatment of the various disorders, arising i frailities of early indiscretion. The engravings are an invaluable admitting the consequences of excesses, which must act as a salutary and maturity, and by its perusal, many questions may be satisfactorily all of mospheal, even to the most confidential friend. "—Eres. by this is a most extraordinary and skilfall work, and ought to be exit; for it is quite evident that there are peculiar labtes acquired at pair state seminaries, which are totally unknown and censcaled from the establishments, and which cannot be toe strongly reprobated and engravings that accompany the work are clear and explanatory; and engravings that accompany the work are clear and explanatory; and

N NERVOUS DEBILITY & GENERATIVE DISEASES —Just published, the Thirtieth Thousand, an improved edition, remodel, 130 pages, price 2s., in a scaled cryelope, or forwarded, post-paid,
secure from observation, for 2s. 6d., in postage stamps, illustrated with numical coloured engravings, "MANHOOD: the Canses of its Fremature
Plain Directions for its Feretc Restoration." A medical seasy on those of
generative organs, emansiting from solitary and sedentary labits, indiscrim
2s effects or climate, and infection, &c., addressed to the sufferer in You
and Old Ages, with practical remarks on marriage—the treatment and c
and mental debility, impolatory, sphills, and other urine-genital diseases,

and old Age, with practical remarks on marriage—the treatment and cure of nervous and mental debility, impotency, syphilis, and other urino-genital diseases, by which even the most shettered constitution may be restored, and reach the full period of life allotted to man. The whole illustrated with numerous anatesoical engravings on steel, in colour, explaining the various functions, screenions, and structures of the reproductive organs in health and disease; with instructions for private correspondence, cases, &c.

BRVIRWS OF THE WORK :—" Manhood: 'a medical work. To the gay and thoughtless we trust this little work will serve as a beacon to warn them of the danger attendant upon the too rash induspence of their passions, whilst to some it may serve as a amount or in this hour of templation, and to the afflicted as a sure guide to health."—
Dessiele. "We bed us hesitations in saying, that there is no member of society by whome the book will not befound useful—whether such person hold the relation of a prevait, as the special property of the little work and the designing."—It is a medical publication, ably written, and developes its greatment of a class of sainful maladies which has too long been the prey of the litterate and the designing. "Instead Service Guettle.

Besiden by the authors, with may be had at their residence; sold also by Strange, 91. Patternoster-row; Hannay, 63, Orderd-street; Mann, 39, Cornhill, London; A. Heywood, Girhaus should be the passion of the passion of the passion of the consulted days at their residence, No. 7, Frith-street, Schos-square, London; and patients can have this work privately forwarded them, by initial or schewing, to any part of the United Kingdem, direction in the substant of the passion of the substant of the substa

THE LATE ACCIDENT AT THE DEE BRIDGE.

DATENT METALLIC SAND OR ENGLISH POZZOLANO.

course.

taille sand cament is unafficied by frost or wes; in apPorfland stans—requires, therefore, neither calour not
vegetative cracks and bilsters, to which Roman cement is
ill be given, and specimens shown, on application to
Mr. C. K. DYER, 4, New Broad-street, London.

ARALYSIS OF TRE PATENT METALLIC SAND.

49 Line

49 ron

32 Magnesis

8 Zinc

TO ENGINEERS, BOILER-MAKERS, AND OTHERS.
LAP-WELDED IRON TUBES, FOR STEAM-BOILERS.
W. H. RICHARDSON, JUN., & CO., DARLASTON, 4

MANUFACTURE all DESCRIPTIONS of WELDED WROUGHT-II
FEAM, GAS, &c., of any required longth and diameter, on the new and
ciple of Mr. J. Roose's recent invention (patented August, 1846).—Add

UNDER ROYAL PATRONAGE.

K EATING'S COUGH LOZENGES are indispensably necessary, both for the Care and Prevention of Coughs, Asthmatic, and all Fulmonary

EATING'S COUGH LOZENGES are indispensably necessary, both for the Care and Prevention of Coughs, Asthmatic, and all Fulmonary Complaints, during this changeable weather.

CURE OF COUGH OF EIGHT YEARS STANDING, ACCOMPANIED WITH SHORTNESS OF BREATH!

Sir,—I have been afflicted with a severe cough and shortness of breath for nearly eight rears, and after trying various remodies, did not find myself any better. I purchased a small box of KEATING'S LOZENGES of you, from which I fluesd great benefit. The ecoud box, 2s. 9d. size, completely cured me, and I can now breathe more freely, and ma as free from cough as ever I was in my life. Hoping that others, similarly afflicted, will avail themselves of so certain and safe a remedy,

o Mr. Goo. II. Howell, chemist, 72, Dale-street, Liverpeol.

Propared and sold, in boxes at is light, time 2s. 9d., 4s. 6d., and 10s. 6d. each, by HOMAS KEATING, chemist, &c., No. 79, St. Paul's Churchyard, London.

N.B.—The safety attendant on the use of those Locenges, togother with their agreeable

The safety attendant on the use of these Loweng has given them a well-merited popularity.

SIR JAMES MURRAY'S FLUID MAGNESIA.—Prepared under the immediate care of the inventor, and established for upwards of 20 years by the profession, for removing BILE, ACDITIES, and INDIGESTION—restoring APPENTIE, preserving a moderate state-of the bowels, and dissolving write acid in GRA-VEL and GOUT; also as an easy remedy for SkA SICKNESS, and for the febrile affection incident to childhood it is invaluable.—On the value of magnesis, as a remedial agent, unnecessary to enlarge; but the fluid preparation of Sir Autonomous true to the second by the profession, as it entirely avoids the possibility toos usually resulting from the use of the article in powder die of detected initiators.—Sold by the sale content of the second by the sec

DR. POTTS'S ATMOSPHERIC SYSTEM OF PILE DRIVING. In the Mining Journal, of July 27, 1844, and following number, we gave a description of a patented invention of Dr. Potts, for the formation of break-waters, and other works requiring pile driving in sandy and shingly situations; and had the inspection of some most ingenious models, we now offer a few remarks on this interesting subject. Dr. Potts had for many years turned his attention to the matter; and, as Nature never arrs, in the plans he suggested to himself, he ever attempted an imitation of her works as nearly as possible. The coral insect had claimed his peculiar notice, and from the extensive masses of rock formed by this tiny architect, consisting of numberless hollow tabes, it struck him that tubes of iron, sunk in the sand, or shingle, would form an impregnable barrier to the fury of the ocean, and make solid and immoveable foundations for lighthouses, bridges, dock-walls, &c. There are, however, some properties in wet sand, which render pile driving in that element not only difficult but impracticable for any great work; as a proof of which, we can state, that Capt. Bullock, having driven a pointed from bar, 3 inches diameter, in the Godwin Sands 13 feet, it took 46 blowt of a ram of 1 cwt., at 10 feet fall, to drive it 1 inch further. The idea of exhausting the upper surface of the hollow pile, of air, having struck the inventor, he immediately proceeded to put it in practice, and with the mest successful results. A hollow cylindrical tube, placed vertically on a body of sand and water, cannot be made to deeend without inconceivable pressure, and then only a few inches; but on exhausting the air from the tube, it will descend as if by magic. Upon this principle, Dr. Potts has founded a system of marine architecture, which promises to be of immense importance, and lead to the craction of sea and river works, and the reclamation of land which could never have been effected by any other means, and the security of foundations thus formed, and the rapidity and economy of their construction, is truly a In the Mining Journal, of July 27, 1844, and following number, we gave escription of a patented invention of Dr. Potts, for the formation of break raters, and other works requiring pile driving in sandy and shingly situations and having had our attention lately called to the progress now making, and give some idea of the rapidity with which a pile descends on the pneumatic principle, we give the following result of driving one 2½ feet diameter, by direction of the Trinity Board—the state of the weather requiring it to be done at three several periods:—Saturday, the 19th July, 1845, in 8 hours, 22 feet; Monday, 21st July, 1845, in 1 hour, 10 feet; Saturday, 26th July, 1845, in 1½ hour, 1 foot 7 inches—Total depth below the surface of the sand, in 5½ hours, 38 feet 7 inches. The adoption of the system by the Government will confer vest benefits on by draulic architecture; and we call the serious attention of engineers and contractors, connected with such works, to the subject, convinced that it will be found economical, as fe, and expeditions.

gas used for lighting consists of hydrogen and a little carbon, it is only the latter which would have to be added, after the water had been decomposed into its slomentary parts M. Johard, of Brussels, was the first who extracted from water a gas, of whoe as great an illuminating power as that obtained from coal. This gentlemen produces hydrogen as by the decomposition of vapour passing through vertical: stories allied with coke, bein in a state of white heat. And at the moment of the hydrogen being thus formed, it is mixed with a little carbonic acid gas, obtained by she distillation of cli, tar, or maptha, or other course substance, hitherto useless in the gas manufactory. In the Bulletin de Muse of Industrie M. Johard's method has been amply detailed. He says that at the expense one pennyworth of oil a light may be obtained during 20 hours, equalling that of 10 tallow candles. Even conceding that M. Jobard's discovery has not quite attained the object of using water for light, fuel, &c., still it has done something towards it. These ideal lead us to a calculation of Professor Faraday, that the elements of a single molecule or water contain 800,000 charges of an electric battery, consisting of cight troughs of twe inches in height and six inches in circumference. At the amount of these alumbering forces the human mind is startled; because, if we should ever be able to elicit and make them available, the power of the mightest steam-engines would dwindle to nothing, and thus ends would be attained by the means of things seemingly trilling and werthless which cannot now be accompilable by any sacrifice or expense. Civil Engiseer.

MARGE OF LOCOMOTION.—In a prospectua, leaved by the promoters of the Mancheston of Locomotion. The prospectua, leaved by the promoters of the Mancheston of Locomotion.

MARCH OF LOCOMOTION.—In a prospectus, issue and Liverpool Railway in the year 1829, it was stated, amongst the many advantages set forth, that "the average time of conveyance by water is about 36 hours—by railway it will only be five or six hours." Since that time, what was by many deemed an impossibility, has really been brought to pass; and now the journey between the two places is performed in an hour. The distance between Manchester and London may now be traversed in the time which it was computed would occupy a train in going to Liverpool; and yet we are assured, by practical and scientific men, that railway travelling is only in its infancy.

a modest work. To the gay and the trust this little work will serve as a beacon to warn them of the danger daint upon the too man indulgence of their passions, whilst to some it may serve as a beacon to warn them of the danger and the form of the hour of femphation, and to the afflicted as a sure guide to health."

Sarry of Rail ways.—At the recent presentation of plate to Mr. J. P. Wosthead, by the shareholders of the Manchester and Birmingham portion of the London and North Western Society. We share health the number of servants employed by the company, so the strength of the surface of the first so Manchod should be payed, as a class of patrixth manides which has too long been the prey of the first shareholders of the Manchester and Liverpool in the surface of the time at which the strength of the surface of the surf

THE ATMOSPHERIC RAILWAY SYSTEM

Messa. Circle and V cought and the complete of the colorisation of their Elastic Athibeats Iron. Tale, as a geomes of developing the principle flow of their Elastic Athibeats Iron. Tale, as a geomes of developing the principle flow of their Elastic Athibeats Iron. Tale, as a geomes of developing the principle flow of the their Elastic Athibeats Iron. Tale, and the control of the British Association for the Advancement of Selence to this navation, we would briefly premise, that whatever obtacles and failures may have hitherto occurred, in which coing it can be a supported to the control of the coing it can be a supported to the coing of the their control of the coing it can be a supported to produce the colorisation, and the less from the coing it can be a supported to produce the colorisation of the less from the coing of the their way shall be able to above the satisfaction of the members of the association, that we have completely auranounted every abstacle which the supporters of the principle have had to contend with, and respectively to the control of the sasciation, that we have completely auranounted every abstacle which the supporters of the principle have had to contend with, and respectively of the sasciation of the immense loss of power from fraction, leakage, and other causes, it is, new the same of the sasciation of the principle had to encounter it consequence of the immense loss of power from fraction, leakage, and other causes, it is, new the same of the same of the same of the same of the principle and the principle and the principle and the same of the same

Incom Barrous on Hallwars.—A circular has been issued by the Consilways to the secretaries of the different railway companies, requesting the secretarial railway bridges on the lines provided in the secretarial railway bridges on the lines are a return of the overal railway the direction of the company of east or wrought-iron. A hope is in the least doubtful, the dir

for the

mensions of the construction, dimensions of the principal parts, regulities.

Larri-Inon Bandon or Railways.—On the issue of the controvery is molect has given rise, hang the lives and deaths of malitimides. The follow portant remarks have appeared in the Times, in a lotter signed "A Practical Majors is a remarkably hard and rigid substance, but exceedingly britise, and a bear an enormous pressure, gradually applied, without fracturing, it will be comparatively trifling blow. Now, when a cast-iron girder is used to ears a building placed above it, the weight is gradually laid upon the girder, and it is subject to no particular variation, and the girder supports its burthen securely. But when a cast-iron girder is applied to early a heavy train acr the weight it has to bear is very suddenly, and with courses trains almost has thrown upon the girder, and as suddenly removed, and honce it assumes that the property of the form of girders, which are only as yet cast-troe is recklessly employed in the form of girders, which are only as

SIR C. LEMON ON REPEAL OF THE COPPER ORE DUTIES.

[Continued from last week's Mining Journal.]

That smelting on an extensive scale, and by imported cres should not succeed in France, almost a necessary consequence from the situation of the five coal-fields of that country, hey all lie far away from the coast, and the coal must traverse nearly the whole breadth the kingdom, before it can come in contact with the imported cres. The consequence that on the sea-coast of France, English coal is cheaper, and is generally consumed, a much with this coal, implies competition with an established business in England, here the greatest skill is practised, alded by an unlimited command of material, and here the coals used are on the coast, and their price is about one-sixth of the price paid France. To fillustrate this, I will take two ports on the coast of France, and go no other into the statistics of coal. One of these ports shall be a Channel port, and the rin the Mediterranean. First, then, of Havre. I have very lately had a letter from a English Consul at that port, who informs me that all the manufactories in his consultant of the production of 2240 lbs. At Swansea, I have before said that the cost to the smelters is not rect than 3s. 6d.

The Mediterranean port to which I have alluded is Marsather.

late are supplied with angular cases tony, mean are tracked and that the cost is the smelters is not more than 3s. 6d.

The Mediterranean port to which I have alluded is Marseilles. I know not to what cames to attribute it; but it is, nevertheless, true, that the freight from Cardiff to Marseilles is less than to the coast opposite our own shores. A wealthy and most intelligent manufacturer and proprietor of iron-works at Marseilles, has assured me that the fact is so; and, further, that he pays less for the freight of coals from England, than for the freight of coals from England, than for the freight of coals from the second of the Etianne must pass in their way to Marseilles. The consequence is, that hardly any but English coals are used in this part of the Mediterranean. The contracts for all the stamers are made for English coal; manufactories consument; and it enters largely into the price of every thing, the raw material of which is obtained by the use of coal. A bailer made at Marseilles of English from, now costs one-third less than one made of French iron; hence the enormous duty on the former, which, before the late rise of prices, amounted to each, per cent. Can it be believed that copper or which must pass through at least as expensive a process as that for making iron, can be brought into competition with English coal; must be believed that copper or which must pass through at least as expensive a process as that for making iron, can be brought into competition with English copper, smelted under all the advantages which attend its reduction at Swansa; where the same coal which costs at Marseilles from 26s, to 25s., is obtained for 2s. 6d.? That there has been some stir in the smelting, works, in the south of France, is not improbable, on account of ores sent from the French settlements in Africa.*

I will notice but one topic more relating to France; but it is one on which the pelitioners appear greatly to rely.

They say that the export of copper from this country to France has greatly declined;

and this because our tariff of 1842 has driven the Frence to seek their supply of copper from other countries.

That there has been a decline in the quantity of copper sent from this country to France is the year 1846, compared with that of 1845, I admit; and this is almost a necessary consequence of the diminished produce of Caba and Cornwall, which has been only partially opperanted by the increase from Chill, Copiapo, and Australia. For, if the total export on diminished production had been to the full extent of that of last year, less could have een sold to our own manufacturers, and of that I hear no complaint. Now, the total protoco from which the export should arise, appears to have failen off 1326 tons, and is us accounted for.

time from which the export should arise, appears to have failer off 1396 tons, and in a seconder for.

The copper to be smelted from foreign ores imported in 1846, was less than that in 1845, ya94 tons; and the Cornish mines produced 1092 tons less—making a total of 1326 tons. Kearly three-fourths of this defalcation, it will be observed, has failen on the Cornish mines; a failure which, I trust, will be removed by the prospect of improving prices, and certainly this is no time to throw needless discouragements on the exertions of the british miners.

mines; a failure which, I trust, will be removed by the prospect of improving prices. And certainly this is no time to throw needless discouragements on the excritions of the British minors.

From France the petitioners pass on to the United States; where, we are informed, the great effort is to be made to ruin Swanses.

The fact that the Americans send us annually from 700 to 1100 tons of their ore to be smalled here, seems to throw a doubt on the probability of their setting up as rivals in ameliting ones imported from Cubs and Chill. It is natural that they should first endeavour to small their own produce—and that, I believe, they have long contemplated, and are now attempting; uninfluenced by our tariff, but with reference to the great deposits of copper ore which have been discovered on Lake Superior, and other parts of the Unified States. But the experiment is proceeding on a small scale, and I hear without execting any assignment expectation of success.

I have before me two letters written by a gentlement connected with one of our largest smelting-works, and who went to America principally to my-pect the processes by which the Americans are endeavouring to conquer the great difficult, arising from the high prices of coal, by using anthractie to luss-furnaces. The ex-greenent is new; that near Boston not having commenced till January last.

It is plain that the conviction on this gentleman's mind is, that the scheme is not promising; and I have been informed by a very experienced smelter, that, by processes such as he very minutely describes, at least 25 per cent. of the produce in the ore must be lost. Wood is used in the first process, anthractic in the remainder; and this anthractic costs 55 per ton. The works at Boston are on a very small scale, not capable of producing more than three or four tons of copper per week; and this copper is impure, containing only 39 per cent. of metal. Ores from Connecticat, New Jersey, and Lake Superior, are brought to these works.

At Baltimore, also, the works are v

these who live in England; who command the markets of the world, and make annually from \$5,000 to 30,000 tons of the best copper, of which a considerable portion is sent to America itself.

In the United States, as in France, the question ultimately turns on the prices of coal. What the comparative cost must be, we may partly Judge from this, that coals from Liverpool and Newcastle furnish the chief supply of the towns on the coast. Nova Scotia, also, sends some; to the the freight from thence is hardly less than from Liverpool. I will not trouble your lordship with a description of the different coal fields of the United States. A general glance will suffect convince you that no great reduction of prices at Boston or Baltimore can take place till other means of transport are brought into use; for, with the exception of a small deposit of lignic in Virginia, entirely unit for ameliting, all the wast store of coal with which the United States abound, lles-beyond the Alleghany Mounchains; safe thus its distance from the coast, which is great, is rendered more difficult to surmount by the nature of the country which the coal has to traverse. Hence the great price which it bears; and hence, also, the strange fact that America, with one of its many coal fields, greater in surface than all the coal fields of England, Scotland, and Ireland, put together, is supplied from our mines by transport across the Atlantic. By a Price Current from Boston, dated Fob. 32, 1847, now before me, I see that the lowest price of any sort of coal was \$72 per ton.

In non-loading this topic, I venture to say, that a gentleman of the highest authority in matters relating to the United States, has assured me of his conviction, that copper ore is not now, nor is likely to become, an article much imported. I dare not mention his name; but wore I to do so, I am sure that his opinion would be received as indisputable. I will trouble your lordship but with one topic more, arising out of the petitions to the House of Commons. It is what I have c

ø	ed diminution to be derived from the case of the export trade.		
	COPPER EXPORTED.		
	Average of four years, previous to 1842, 14,387 tons. 1838 — Zons 13,004 1840 — Tons 15 1839 — 13,328 1841 — 16 1842 — 19,408 tons.	,203 ,013	
,	Acerage of four years, since 1842, 17,594 ions. 1843	039	

1843 Tons 18,039

1844 18,642 1846 15,718

R appears, then, that there has been an increase of 63 per cent on imports, and 223 per cent on exports, under a change of system, which the potitioners call pernicious to the foreign trade. Now, for the case of the manufacturers.

But first let me sak them, who is to have the benefit of the removal of the duty, if it should occur? The manufacturers as that they shall have their copper cheaper; but this is by no means the intention of another class of the petitioners; and there is a third class, who even go so far as to advocate the removal of the duty as a preservative against a reduction of the price of copper. For they say, that "smelting copper ores abroad would produce much competition, and thereby the price of copper would be diminished to the British miner." But what say the capitalists in foreign mines? At a late meeting of the adventurers in the Cobro Mines, the directors applogized for making no dividend, on the ground that the duty ran away with all their profits, to the amount of 12,000l, or 15,000l, which sum they should have divided if the duty had been removed. It will strike your lordship at once, that if the directors contemplated a reduction of price, their promise to the adventurers was fallactous; and if not, how is the manufacturer to be benefitted? Surely these parties should settle their disputed claims out of doors, before they come into your lordship's presunce, or they must expect to hear you say, "Gentle-men, you are not at all agreed as to who shall have the oyster! Let me advise you to take a shell a-piece, and to let the Chancellor of the Exchequer have the oyster in the shape of revenue, of which he has great need."

piece, and to let the Chancellor of the Exempter nave.

which he has great need."

h, the manufacturers have nothing to complain of as to the price of their

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have it hand and comes of them uncharged with the freight, which the

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er ena hucea hang int cobhet itt fille	dockyards :		Charge		
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1844 83 7	0 1846		A 83	13	0
			89		0
(To be concluded in	n next week's M	ining Journal 1			

THE IRON TEADER

It was stated by the late Mr. David Musher, in his valuable work, entured the surface and Steel, that in the year 1730, there were only 59 furnaces in all England—the surmal aggregate make of which was 17,350 tons annually, or little more than five tons a week of pig-iron from each furnace. In one week, in the month of March, 1847, a single furnace—the Cwmbrain—produced 150 tons of cold-blast iron; and the annual value of the iron produced throughout Great Britain must exceed 9,000,000, sterling. In 1806, the iron produced throughout Great Britain must exceed 9,000,000, sterling. In 1806, the iron produced throughout Great Britain must exceed 9,000,000, sterling. In 1806, the iron produced throughout Great Britain must exceed 9,000,000, sterling. In 1806, the iron produced throughout the surface of the

tronges—the armine ment humage. In one week, in the meanth of March, 1847, a single of the iron produced throughout Great Britain must exceed 9,000,000, sterling. In 1806, the quantity of British from made amounted to 289,000 tons; in 1844, it was 1,400,000 tons—almoe which there has been a large increase.

Perhaps the greatest progress has been made in South Wales, the mineral basin of which offers very great facilities for the manufacture of iron or copper, from the abundance and filekness of ocal and iron ore. Until a companitively recent period, he iron trade has the control of the control of the control of the control of the south-west of Mentaly, the outlets of which are Portheaw!, Port Talbot, and Nesstin, and 2, the Swanese, Annan and Gwendrach Valleys, the outlets of which are Swanese and Burry Port. In the first of these groups blackband frontone exists to a great extent, by which iron can be produced at a much diminished cost; and coal is so abundant that in the valley of Cwm Aron, 25 seams have been proved, which give an aggregate hickness of apwards of 72 ft. of that mineral.

1820 In the south-wave of the south of the south-wave the south-wave trade of the south-wave trade in 1836 by the late of the south-wave trade in 1836 by the south-wave trade of the south-wave tr

A MINING "BLACK SHEEP."—In the Mining Journal of the 19th June, we no

application, for relief as an insolve Argyli-place, Regent-street, a moc Cornwall, &c. During the examin vent debtor, of Anthony Joseph Michael La Baume, of odical electrician, projector of the Mining Company of mation, conduct of a most irrogular and disreputable Cornwall, &c. During the examination, conduct of a most irregular and disreputable description was disclosed—the greater part of which is out of our province; but his treatment of a Mr. Chowen, who was desinded from a good situation to join in uncertain mining transactions, deserves exposure, and we hope may serve as a warning to others. We will briefly state the case of one of Anthony Joseph Michael La Baume's 139 creditors. Mr. Baours (counsel for Mr. Chowen) said his client was a clerk in the employ of Messra. Chaplin and Horne, the rallway carriers, when he had the misfortune to become acquainted with Mr. La Baume. (Here the insolvent burst into a loud fit of laughter.)—Commissioners This, Sir, is not proper conduct; and, if you think you came here to turn your 139 creditors into risicule, you will find yourself extremely mistaken.—The Insolvents and State of the Commissioners to the former would be conduct was extremely disrespectful to the Court, and impertione to the gentleman who was then speaking.—Mr. Baours said his client first became acquainted with the insolvent as a patient, and paid hiss 20% for medical services, and subsequently in forwarding parcels to his residence from the station. He finally enticed him away from his situation; but the letters which were sent from the insolvent to Mr. Chowen's money. He would mistally premise by saying, that the insolvent had previously assured Mr. Chowen which between the war to got a fine situation as agent to a mine in Cornwall.—The Lananza Cornszt them read a lotter, dated January 13, 1846:—"My dear Sir,—I have made a splendid bargain, and have, thank God, by his singular providence, insured myself an income as the London agent to a wast and enormously rich concern of 200% or 300% a year, certain for years to come. * "You will now have another choice of occupation, to become my socretary (inscreamile correspondent) in Londou, or to be my town traveller. (Laughter.) Dr. Dowlmars, who is in my employ * * will call call on you: and I will be arready allowed gain, and have, thank God, by his singular providence, insured myself an income as the London agent to a vast and enormously rich concern of 2001. or 3004. a year, certain far years to come. * You will now have another choice of occupation, to become my socretary (mercantile correspondent) in London, or to be my town traveller. (Laughter, Dr. Dowhurst, who is in my employ * will call on you; and I will be greatly obliged if you will give him 11. is., and 11. for my artificer. I will pay you when I come to town. Till then, God attend you.—Yours, truly, M. La Baume.—'In second letter read was dated from Penzance, Aug. 30, 1845. The following is an extract from it:—"Dear Sir,—Illitherto my endeavours to serve you have been in vain. Now you obtain a most eligible and respectable situation. If you like to live in this heavenly place, and act under my direction, you can have a habitation provided for you beforeband, with reasonable attendance. * * I think you will not object to be my second in command, or deputy in Cornwall. * The only fear I have is your medexly and wanto' assurance—(laughter)—which will not do if you wish to advance in the world. Say by return of post what your salary shall be. P.S.—This site place for happiness and every earthly good. ('Laughter).—The third letter is very rich:—"Pray, for heaven's sake, try to cash me a bill for 30i. I am astonished that I should find any difficulty to obtain that sum. * * Money is cheap enough; but the distrustful and contemptible London folk are such selfah, mean, and contemptible spirits, that I isment my being obliged through an old country fool and knave * I am driven by accumulated vexations, and harassing and unmerited disappointment of money due to me, but retained by a sordid mean love of Mammon. * When the making requests for the disbursement of various sums, he talks abous "this bagatolis outlay," and concludes in the usual terms.—[The sterest of the creditors were almost convulsed with laughter during the reading of the letters; but no one onjoyed them carriers, and became acquisited with the insolvent by being his patient, and p 20% for his medical services. The insolvent said he was about to enter into busin mining agent in Cornwall, and proposed to witness to enter into his service as the mine. By insolvent's directions he paid to creditors 24%, and lent him a further of 25%, which he raised by the pawning of some railway shares. Afterwards he a two bills at M. La Baume's request, on the understanding that the amount of the when discounted, would be handed over to witness as payment of his debt. M. La said he would get the bills discounted. He got one of the bills discounted, but he made the control of the debt. M. La said he would get the bills discounted. He got one of the bills discounted, but the control of the debt. M. La said he would get the bills discounted. He got one of the bills discounted, but the control of the debt. M. La said he would get the bills discounted. He got one of the bills discounted, but the control of the debt of of the debt

Transactions of Scientific Bodies.

	THE STREET OF STREET, SHOWING	117	APT AND THE PARTY OF THE PARTY
	MEETINGS	DURING THE ENSUING	WEEK.
122	Society.	Address.	Day. Hour.
W	eatern Scientific Institut.	Leicester-square	Monday 84 P.M.
P	armaceutical	17, Bloomsbury-square	Wednesday 9 P.M.
BEC	yat Botanic	Inner Circle, Regent's-park	Sasurday, of P.M.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

Kirkeudbrightshire Mining Company—offices.
St. Katharine Docks Company—offices, at Twelve.
British and Foreign Gas-Light and Meter Company—offices, at Twelve.
Bryat Santiago Mining Company—offices, at One.
Union Bank of London—offices, at Twelve.
Eagle Insurance Company—offices, at One.
Aftrod Life Assurance—offices, at One.
West Wheat Maria Mining Company—Bedford Hotel, Tavistock, at Twelve.
London Joint-Stock Company—offices, Eleven for Twelve.
London Joint-Stock Company—offices, Eleven for Twelve.
London Joint-Stock Company—offices, Eleven for Twelve.

The meelings of Mining Companies are inserted among the Mining Intelligence.

SAMBRE AND MEUSE RAILWAY.

The half-yearly meeting of shareholders was held at the London Tavern, on Monday, the 5th inst.—W. P. Richard, Eq., in the chair.—After the usual preliminaries, the directors' report was read, which stated that the works were proceeding with great energy. They entertained confident hopes that the portion of the line between Marchisome-an-point and Walcourt, and the branch to Laneffe (16 miles), will be opened in the month of October next, and the remaining branch to Morialmé (9 miles) in the January following. The plant for working the first section of the line will be ready by the time of opening. Satisfactory progress has been made in purchasing land along the rest of the line. Calis have been paid with the greatest punctuality, except on 270 shares, on which the 7th is yet due.—The Beigian Government has relaxed its original prohibition, and sanctioned the sale of shares on the exchanges of Brussels and Antwerp. The estimates of traffic, and other calculations, have been confirmed by farther inquiry. The cash account showed the total receipts to be (from an approximate calculation) 499,377. [saving 316,541]. for the general expenditure, and 112,585. for the balance in hand and caution money.—The Chalman and the contents of the report, and recapitulated the various statements made at former meetings, by which the directors calculated on the return of 90,0004, as the annual profits of the undertaking. The interest upon the paid-up capital was 7500. It oncluded, by moving the adoption of the report.—Mr. Linno asked, how it was that the 32,000. advanced to contractors was the same as in last report?—The Calmana skid, the money had been adoption of the report.—Mr. Plants wished to know if another call would be made shortly?—The Calmana skid, the money had been advanced to expedite that works, but they had security in the materials, and much had been written off that amount.—Mr. Plants wished to know if another SAMBRE AND MEUSE RAILWAY.

BLACKWALL RAILWAY.—A special meeting of shareholders was held at the London Tavern, on Thursday, for the purpose of having submitted to them, for approval, the bill now before Parliament, for making a branch line to the London and St. Katharine Docks—J. N. Dawieza, Esq., in the chair.—A report was read from the directors, in which it was stated that they had thought it advisable—the bill having passed through the Commons—to take advantage of the recent Parliamentary resolutions, and support it till next year, when, no doubt, it would be carried. The bill was unanimously sanctioned. The only matter of discussion, was in reference to the extension line from the Easters Counties klailway to Stepney, one or two proprietors expressing apprehension that it would not be completed by the time promised—viz., its November.—The Chararwan assured the proprietors, that every effort was being made by Mr. Brassey, the contractor, and that there was no doubt the works would be inhished by the time named.—A cordial yote of thanks was given to the chairman, and the meeting separated.

yote of thanks was given to the chairman, and the meeting separated.

COLOWIAL BANK.—On Thresday, the half-yearly meeting of the proprietors of this company took place at the London Tavern.—A. COLVILLE, Esq., in the chair,—The report was read by the secretary, and was of a more favourable nature than on former accasions. The profit during the half-year was 90,8351. 11s. 9d.—out of which the director recommended a dividend of 2 per cent. for the half-year onding 31st Dec., 1846, which would absorb about 10,0001, leaving the balance to be carried to the bad and doubtful debt account.—thus reducing the balance to 30,6412. 9s. 9d. The prospects of the company generally were now improving.—The report was adopted, and a vote of thanks and the directors, when the needing addingned.

South Devor Railway.—There is some ground for hoping that we shall soon he railway opened to Totnes. On Wednesday last, Mr. Brunel went over it several a locomotive, and notice has been given to the Government authorities that the ready for their inspection, and it is expected that it will be visited and inspected turday next. The directors had a meeting at Newton Abbott on Tuesday, and, lieve, that they then determined to open to Totnes, on Tuesday, the 90th inst. derstand that the directors also intend, at an early period, to try the atmospherical training the state of the company's practical training training the state of the company's practical training training the state of the company's practical training trainin

"THE ETINEMANDE," OR RAILWAY COMPASS.—The object of this invention is to emmore punctuality on railways. It will at all times show to the engineer the speed of engine, the distance to the next station, and the exact position on the line, which will useful at night, or in fuggy weather. There is a chronometer, which will, of course, at the railway time. It will also register on paper a description of the journey—that is, time occupied at each station and during the journey, and the exact speed travelled on gevery mile. This paper may be taken off at the end of each journey, the date number of engine marked on, and filed in the railway office. The apparatus has a 6 the circumference of which is divided into the number of miles on the railway, and the stations are correctly marked down at the proper distances from each terminus. Inger or indicator points to that place on the dial occupied by the engine on the life railway. There is a small finger, which revolves once in two miles, by which the enew can ascortain his speed. There is also another small finger, which revolves once of journeys, or about 10,000 miles, by means of which it can be ascortained what distate the engine has performed during a considerable period. The Manchester and Leedels allowed the inventor to test the experiment on one of their engines, and asveral these realised the expectations formed concerning it.

The Wordse or Geology—Intersects to Discovering its Alasawa.—Dr. Manchester and Leedels and the expectations formed concerning it. "THE ITINEARUM," OR RAILWAY COMPASS.—The object of this invent

have realised the expectations formed concerning it.

The WONDER OF GEOLOGY—INTERSTRETS O DISCOVERIES IN ALABRA.—I Disckinson, of the Academy of Sciences, who was sent from Philadelphia, for it of investing the geology of the Valley of the Mississippi, recently made a tour iton in that portion of Alabema, in which abounds the rotten limostone format is particularly the case in the vicinities of Clark, Washington, and Clabora and has communicated to the N. O. Delits some of the interesting results of his 1 He states that this formation is a huge coral reef, where gigantic branches shoot feet into a beautiful arborescent form, in its original bed of the primeral cost bases are the fossil remains of the huge lugioden, shark, fishes, &c., many of it from 40 to 100 feet long, winding in serpentine form among the coral. Below found the remains of an extensive sea, the bottom of which was lined with a be varying from 20 to 30 ft. in a fine state of preservation. These beds yielded a gr of shells, many of which may still be found in our present seas, and hence been of comparatively recent formation. Below this was found a hrge oyate bedded in a blue marf or clay, in their original position. Some of these oyaters it in in length, and weighed from 10 to 16 lbs. Succeeding this stratum were bottoms of several ancient seas, lakes, and rivers, all yielding numerous f Many of these fossile Dr. Dickinson has forwarded to the Academy of Natural Philadelphia.—New York Farmer and Mechanic.

Maxicas Packer.—The Medicas, Royal Mail steam-ship, arrived at Souths.

Philadelphia.—New York Farmer and Mechanic.

Maxicar Packer.—The Medicay, Royal Mail steam-ship, arrived at Southampton, on Thursday morning, from the West Indies, with the mails. She has made the passage with her usual punctuality, her apparent late arrival being occasioned by an alteration in her routs, consequent upon the arrangements of the company being ret incomplete since the loss of the freez. The Medicay is only 13d days from Bermuda, her last port, and the latest dates are—Tampico, 32d May; 13d days from Bermuda, her last port, and the latest dates are—Tampico, 32d May; 13d lays from Bermuda, her last port, and the latest dates are—Tampico, 32d May; 13d lays from Bermuda, her last port, and the latest flat juncture to the latest flat in the latest flatest flat in the latest flatest flatest flat in the latest flat in the latest

Accidents.—W. Rothwell was killed by a fall of roof at Messra. Kenworthy's-Low Moorsley.—T. Winship was killed by a fall of stone in Alexandria Pit. Dudley.—As G. Hunt was charging a hole with powder—called "blowing the stone".—in one of Lord Ward's pits, it suddenly exploded, burning him. Tividale.—S. Pickering, aged 11 years, was killed at Messra. Bagnall's colliery. On Thursday last, an empty skip was coming along a railway on the pit bank; and there being two railways diverging from the place where deceased stood, he moved the "points," as he thought, in the right direction; but instead of this, they had been moved in such a way as to allow the skip to go towards the mouth of the pit. Seeing the mistake he had made, the deceased got before, and attempted to stop it, with his back towards the pit; but he was forced before the moving skip, antil he was hanging over the shaft with nothing betwixt him and eternity, but the help of a piece of iron encircling the skip. The share edges of which rendered it impossible for him to hold on

Mining Correspondence.

ENGLISH MINES.

ENGLISH MINES.

BARRISTOWN.—The flat-rod shaft, sinking under the 28 fm level, is without alteration. The 18 fm level and west, or main lode, is at present worth about 182 per fm.—its underlay 16. In a fm. north; the winse sinking in the bestom of the 18 fm level, behind this end, is at present producing stones of ore, but no regular lode; the slide has caused a great riregularity in it, although we have it still going down on the south side of the slide. The 12 fm. level its at present rather poor; the lode is divided into small branches. A rise from the 18 to the 12 fm level, to hole as far west as the 12 fm. level end, looks well—worth about 200. per fm. The winze sinking under the 18 fm. level, on middle lode, is still poor, keeping its regular course down; the western stops, on middle lode, is worth from 144 to 162 per fm.; the eastern stops is got into very broken unstratified ground, and producing very little ore. The adit end east at present is not on the lode; we are keeping it a little to the north, to hole to new surface-shaft for air, and to expedite the drawing, &c. At Clon Mines, the men are still employed in costenning, without any discovery. The 18 fm. level end will be into Clon Mines sett in less than 20 fms., at the present course the lode is taking.—T. Angova; G. Whitre.

BEDFORD UNITED.—At Wheal Marquis, the lode in the sump winze (now 6 fms. 4 fs. 6 in. under the 80 fm. level) is 8 fs. wide, and worth 364 per fm.; in this level east the lode is 32 ft. wide, and worth 254 per fm.; in this level east the lode is 12 ft. wide, producing good stones of ore; and in the rise, in this level, is 2 ft. wide, producing good stones of ore; and in the rise, in this level, is 2 ft. wide, producing good stones of ore; and in the rise, in this level, the lode is 3 ft. wide, producing good stones of ore; and in the rise, in this level, the lode is 2 ft. wide, producing good stones of ore; and in the rise, in this level, the lode is 2 ft. wide, producing good stones of ore; and in the rise, in this level, t

tion.—James Philaires: July 6.

CALLINGTON.—The lode in the 125 fm. level south is 8 in. wide, and worth 20L per fm.; in the north end we are opening tribute ground. In the 112 fm. level south the lode continues large, intermixed with silver-lead ores. In the 100 fm. hevel south no lode has been taken down; in the morth end the lode continues productive—the backs will work at a moderate tribute. In the 90 fm, level borth no lode has been taken down; in the winze, sinking below this level, south of the shaft, the ground h favourable—this winze being on a cross-course, we are only carrying the wall of the lode; we expect to communicate with the level below in the course of next week. At the north mine, the lode in the 100 south continues productive, the back will work at a low tribute; in the north end the lode is small, producing silver-lead ores. No alteration in the 90 or 80 fm. levels south. In the 70 cast we are now in the great cross-course. At Kelly Bray, the engine-shaft is nearly 25 fms. deep, and we have commenced cutting plat, provious to driving a cross-cut; the lode in the shaft, on its course, is 4½ ft. wide, of the same promising character.—J. T. Phillips: June 28.

CARMARTHEN CONSOLS.—Our operations have been chiefly confined

in the shaft, on its course, is 4½ ft. wide, of the same promising character.—J. T. Phillips: June 28.

CARMARTHEN CONSOLS.—Our operations have been chiefly confined to clearing the old workings at Glantowy on two of the north and south lodes, where we find they have been extensively wrought from the surface down to the water level, and in the arches of ground left we trace proofs of abundant returns of lead. We have cleared the old deep adit for several fathoms, in hopes of coming into whole ground, but found it all worked away above and below the adit, and full of water; we have, therefore, commenced a new and desper adit, which will come under, and unwater the whole workings. I have set it to drive at 12 per fm. After driving about 30 fms. we shall come under an old shaft, which it will be well to secure, and continue on the course of the lode. It will then be sunk in what has been the most productive ground, and close to the water-power. This is now the driest time of the year; yet I find there is water enough flowing through our set to keep the water, with a 40-ft, wheel, from 30 to 40 fms. deep. I expect the adit will be up to this place in about two months, during which time we shall prepare the shaft for sinking. It will then be advisable to erect the engine-wheel, and I feel assured, that from the time we begin to sink, we shall have a cheaply-worked and profitable mine. At Nant, we have driven the new shallow adit 10 fms.; the lode is about 5 ft. wide, composed of gossan and barytes, but it is too shallow to expect much lead; and as the old shallow adit will come upwards of 20 fms. under this, I do not think it prudent to continue it further; I do not see anything can be done on this part of the sett advantageously until a whim is erected, and the shallow adit the leared; and soon as this is done, the barytes may be returned also.—T. Williams.

COATLITHE HILLS.—The level, east from A shaft, has been driven about 3 ft. strips of the set advantageously until a whim is erected, and the shallow adit clear

as creeted, and the shallow add cleared; and soon as this is done, the barytes may be returned also.—T. WILLIAMS.

COATLITHE HILLS.—The level, east from A shaft, has been driven about 3 ft. during this week, the vein is much the same as when I last wrote. The sorse level has been driven about 1 fm. during this week.—J. M. PAULL.

COOK'S KITCHEN.—On Chapple's lode, in the engine-shaft sinking under he 180 fm. level, the lode is large, and producing a little tin—the ground hard. In the 180 fm. level west, the part of the lode on which we are driving is about if the wide, and worth from 6t. to 7t. per fm.; in the same level east, the lode has unproved, and the part we are now driving on is 4 ft. wide, and worth from 10t. to 12t. per fm. In the 170 fm. level east, the part of the lode on which we are driving is 4 ft. wide, and worth from 5t. to 6t. per fm. In the 160 fm. level west, the part of the lode on which we are driving is 4 ft. wide, and outh from 5t. to 6t. per fm. In the 160 fm. level west, there is an improvement, and the part of the lode on which we are driving is worth 35t. per fm. It New east shaft, we have commenced sinking under the 160 fm. level, in a indly lode, producing stones of tin and copper ore, and worth about 4t. per m. In the 92 fm. level west, on Endy's lode, the end is worth about 4t. per m. In the 92 fm. level west, on Endy's lode, the end is worth about 4t. per m. In driving north, through North Tincroft lode, we have not yet cut the orth westward, from a slight run having taken place, which has, however, een got through. The tribute department continues much the same as small—Jos. Vivias: July 5.

CUBERT SILVER-LEAD.—In consequence of having a breakage in our

sual.—Jos. Vivian: July 5.

CUBERT SHLVER-LEAD.—In consequence of having a breakage in itwork this week, we have not done so much in sinking the engine-shaft, riving the 35 fm. level; of course, the appearances there are much the ss reported last week, neither do I see any alteration in the other parts of ine, excepting that the 25 fm. level, going cast, is improved; the lode it is 4 k. wide, and will produce a ton of lead ore per fm. (at present). We have the day, shipped the computed 60 tons (21 cwts.) of silver-lead ore, sold he mining offices, 8, George-yard, Lombard-street, London, on Saturd unit 19) to Mesers. Walker, Parker, and Co., Chester.—R. Rows:

the mining offices, 8, George-yard, Lombard-street, London, on Saturday, June 19) to Messrs. Walker, Parker, and Co., Chester.—R. Rowe.

DARTMOOR CONSOLS.—I have this day been underground; as we had a run, I assisted the men in securing it; and, as seen as the water was let down, so as to make an entrance east from Henry's shaft, I took two men, and prosecuted east to the next whim-shaft, where we found the adit to be quite clear as if we had been here employed, instead of being idle for years; we then started east as far as the new engine-shaft—that is where the large lift of pumps are above the mansion-house; here I find the old leaders, timber, and rubbish, to have fille the bottom of the shaft; again I proceeded with my little party to the old engine-shaft, or the first whim, on the top of the hill, where I find some timber wanted, but of no great quantity; and, lastly, I went up to near Henry's engine-shaft, which is not 100 fms. from our object in view, Prywe Deacon's shaft, where I find the back of the level to have giving way, and the water is coming through the fill of rubbish, but this is only trifling. We may now say, our adit is all but clear from the tail to near Pryso Deacon's shaft, which is upwards of 600 fms., and that without any serious expanse. As we have been so fortunate with the adits, we shall I hope be in readiness for the engine in eight or nine weeks, excepting the repairs in the shaft; and as the weather is so fine, it will not be long rebuilding; I am positive we shall soon complete the adit.—T. GREGORY July 5.

DEVON AND COURTENAY CONSOLS.—The end driving west on South lode, at the 30 fm. level, is looking very promising; the lode is 5 ft wide, composed of spar, peach, and mundic, and producing good stones of copper ore. In the deep adit, on South lode, the lode is about 2 ft. 6 in, wide, composed of mundic, spar, killas, and copper ore. In the shallow adit on Nexth kile, the lode is always to the lode is 7 wide, composed of mundic, spar, killas, and copper ore. In the shallow adit

the lode is 5 ft wide, composed of spar, mundic, and peach, and producing good stones of copper ore. In the deep adit, on South lode, the lode is about 2 ft. 6 in, wide, composed of mundic, spar, killas, and copper ore. In the shallow adit, on North lode, the lode is about 2 ft. wide, composed of spar, naundic, and lead ore.—Ecward Northert: July 6.

ELBOROUGH.—The lode in the 16 im. level, east of Vivian's shaft, is 10 inches wide, congosed of flookan and spar, impregnated with lead. The lode in Vivian's shaft is much larger than I have hitherto seen it; it is 9 ft. wide, composed of a light-blue coloured flookan and spar, and frequently good stones of lead. The best work we had saved in sinking this shaft, has been dressed and sold. I have this week set the course work to dress, at 10s. in the 12—R. They trunch: July 7.

EAST TOROW NDA/E.—The ground in our engine-shaft is changed a little for the better—is composed of blue killas, with branches of spar, containing numble and spots of ore, down 38 fma. 0 ft. 6 in. The ground in the adit-level, townsta the kirs Hill lodes, is very much fraproved the last week—is composed of a soft killas on the south side, and killas, with small branches of spar, can the north side—is now driven 41 fms. 5 ft. Our engine and pitwork is in good order.—S. Paull.: July 3.

EAST TAMIAR CONSOLS.—We have commenced driving the 54 fm. level from Harrison's shaft; the lode in the north level is 2 ft. wide, producing some good spares of silver-lead ore. The lode in the 45 south is 29 ft. wide, saving work. The lode is the 46 south is 18 in. wide, work of a good quality. The lode is the 16 in the 45 south is 20 in. wide, floor-spar and silver-lead ore—a very promising lode. Charlitte's is much the same as last reported on; the air is very

the lode is composed of spar, mundic, fluor, and stones of ore. In the sinking below the 22, west of the engine-shaft, the lode is producing stones of ore.—T. RICHARDS: July 6.

stones of ore.—T. RICHARDS: July 6.

GREAT WHEAL MARTHA.—The cross-cut is now driven 18 fins., and the ground still favourable. I stated in my last that we had more water issuing from the end, and I thought we were not far from the lode; but this proved to be a branch about 4 in, thick, composed of spar and aposts of mundic, and underlaying about 4 fs. in a fm. We cut through a branch in cross-cutting in the 10 fm. level, which went through Thomas's shaft about 4 fins. above the 20, and which I have no death is the same we have now met with; and, as it is now certain the lode does not underlay so finst as we expected, we may have several fathoms more to drive. Our new 40 fm. plunger lift is now completed, and working very well. We have still two men costenning at Sherrall's; but have not yet cut any other lode.—T. Perraudna, July 3.

GUNNIS LAKE.—At Chilsworthy, Balley's engine-shaft is 10 fms. under

nave not yet cut any other lode.—T. PENALUNA: July 3.

GUNNIS LAKE.—At Chilsworthy, Balley's engine-shaft is 10 fms. under the 12 fm. level; the lode therein is 3ft. wide, producing good stones of yellow, grey, and black ore—a very promising lode; in the same level west, we are still driving north.—W. RICHARDS: July 6.

HAWKMOOR.—The lode in the 15 fm. level, east of Hitchins's shaft, is 3 ft. wide, and unproductive.—P. RICHARDS: July 6.

HEIGNSTON DOWN CONSOLS.—The lode in the 20 fm. level, east of North shaft, is 23 ft. wide, producing some good work; in this level west, the lode is 3 ft. wide, composed of spar, peach, and tin—very kindly. */e are still engaged clearing Buddle's adit.—W. RICHARDS: July 6.

HOLMBUSH.—The diagonal shaft is much 6 fms. 4 ft. below the 190 fm.

ground cut in driving; but it appears at this time the ground is altering fast, and is becoming more congenial for copper.—J. Spraceure; July 7.

KIRKCUDBRIGHTSHIRE.—The lode in the end west, at the 40 fm. level, is 4½ ft. wide, producing about a half ton per fm. of lead. The lode in the 30 west is 4 ft. wide, yielding a half ton per fm.; the stopes in the backs of this level look pretty well—worth about 10L to 12L per fm. The end driving east on the caunter is large and kindly, but unproductive. The end west at the 20 fm. level, is looking well—worth 15L per fm. The rise on the junction (not holed) is producing about 1 ton per fm. We are preparing to resume sinking Stewart's shaft, with as much speed as possible. We expect to ship our last month's ore on Monday next.—Jos. Buzzo: July 3.

LEWIS.—Our preparets in the 60 fm. level, are much, the same as when

month's ore on Monday next.—Jos. Buzzo: July 3.

LEWIS.—Our prespects in the 60 fm. level are much the same as when last reported; but in the 50 east we have driven north 3 ft. into that part of the lode we left, where we have found some very good work for tin; all other places are much the same as when I reported to you last week. With respect to the tributers, we will certainly attend to your request in stopping them immediately after their present take is expired. Praced's shaft we have set to sink, and will get on with it as fast as possible. With respect to the sale of tin, Capt. Paul has promised me to give you every information respecting it.—S. S. NOELE; July 3.

MENDID HILLS.—The leads to the sale of the sal

sink, and will get on with it as fast as possible. With respect to the sale of tin, Capt. Paul has promised upe to give you every information, respecting it.—S. S. Noell: July 3.

MENDIP HILLS.—The lode in the winze, sinking below the 38 fm. level, continues about 3 ft. 6 in. wide, composed of quartz, limestone, and soft spar, intermixed with small cubes of lead; we have at present a large stream of water issuing from the bottom of this winze; in the 38 fm. level, north of the shaft, the lode is much larger than the end is wide, principally composed of dark flookan, spar, and small particles of lead—ground favourable for driving. In the slag department, our progress during the past week has been favourable; we have a large piece of slag already uncovered, and the lode from which the rubbish is now being removed, continues to look well; the carpenters are still engaged making launders as fast as possible.—F. C. Hantrus: July 5.

SNOWDON AND DALAWIN COPPER MINES.—Your latter of the 27th I have received; and, in answer to your inquiry as to the produce of the Dalawin Copper Mine, the ore, if preperly dressed, would produce, on an average, from 10 to 11 per cent.; the net cash depends upon the standard—but taking it as it has been for some years back, we may reckon on 7L 10s. to 8l. per ton clear of expenses, so far as regards carriage, shipping, and smelling. With respect to the quantity that can be raised, I have no heaitation in saying, that by sinking the engine-shaft, which is within I yard of the lode (and only about 25 yards from the surface), to the depth of 40 yards, from 15 tons to 20 tons a week can be raised with about 14 miners; and by driving east and west on the lode, to open the ground, so as to put more hands to work, it is my opinion that double the quantity would be raised. The copper at the bottoms wares from 10 to 18 in. of solid ore, with mixture on each side; but at the junction of the two veins, which meet in the bottom sump, the lode is at least 12 ft. wide. The lode going south we have not

have had assayed; and I should advise to dress it about the same as the other to prevent any loss, and one sample from the mine would be sufficient. I have no doubt but Sir Richard Bulkeley's agent, Capt. Dyer, of the Parys Copper Mine, would give his report also at any time, and confirm my opinion.—G. Twigos: Brymbella, North Wales, Jame 29.

SOUTH TAMAR UNITED.—The men in the engine-shaft have had great difficulty in getting down the lift, being interrupted by timber and rubbish being across the shaft, so that we have only forked 9 ft. since last report; I hope they will soon get through this difficulty. The men in the adit level are getting on very satisfactorily in elearing and securing the same.—B. Robins.

SOUTH WHEAL TRELAWNEY.—Snell's engine-shaft is in course of sinking with 9 men—ground just the same as last mentioned, composed of white killes, mixed with mundic and prian heads, and spots of copper ore—water a little quicker. On Sobey's lode, the adit is still driving—lode about 2 ft. wide, composed of gossan and brights, and white killas. The cross-cut, west of engine-shaft, is still driving at the adit in the course of a few days.—W. Jisskin: July 5.

TAMAR SILVER-LEAD.—In the 160 fm. level end, south of the shaft,

west of engine-shaft, is still driving at the adit level, expecting to have a conmunication through the adit in the course of a few days.—W. Jennes. July 5.

TAMAR SILVER-LEAD.—In the 160 fm. level end, south of the shaft,
the lode is 2 ft. wide, composed of expel, spar, and ore, saving work; in the
same level, north of dette, the lode is 18 in. wide, good stamp-work. In the
145 end south the lode is 6 in. wide, unproductive; in the wines, sinking in
the bottom of this level, the lode is 18 in. wide, work of a cearse quality; in
the 145 end north the lode is 2 ft. wide, composed of expel and ove—a promising end. In the 185 end south the lode is 3 ft. wide, of the
gaving work, but not rich. In the 125 end the lode is 1 ft. wide, of in. of which
is rich work. At North Tamar, in the 70 fm. level, the lode is atill small and
poor. In the 60 fm. level the lode is 6 in. wide, producing good stones of ore.
We sampled, on Saturday, the 36 inst., computed 67 tons of rich silver-lead
ore.—James Stracur: July 5.

TINCROFT.—The lode in the 100 fm. level east, in the north mine, is 20 in.
wide, kindly, though producing but a small quantity of ore; the lode in the
west end, same level, is disordered and unproductive. The lode in the 90
west is 12 in. wide, very much improved sines last report.

The lode in the 80
west is 12 in. wide, very much improved sines last report.

The lode in the 80
west is 15 in. wide, producing some good quality ore, very kindly; the lode in the 90
west is 16 in. wide, producing some good quality ore, very kindly; the lode in the 60
producing some good quality ore, worth 150, per fm. The lode in the 60
west is 15 in. wide, producing some ore, and promising. The lode in the 60
west is 15 in. wide, producing some ore, and promising. The lode in the 60
the holde in the 70 west is 12 in. wide, orey, but not rich; the lode in
the wines beyond this end, in the bottom of the 60, is 4ft. wide, producing
at tons of ore per fm., worth about 51, per fm.; another wines, to the west of the
last-neared, is b

come tribute on it in a short time. We continue to raise fair quality tinstuff from the different levels and pitches. In the south mine, Chapple 3 lode is still looking well in the pitches, and the levels are producing some ore. —W. PAUL.

TIN VALE CONSOLS.—We are getting on with the open exiting through the large unain 1 expect we shall be all right by the said of next week to commence driving the adit level close, in order to cut the great tin and copper lode, the men are getting on with the greatest propricty: I have also to inform you, that we are costeauing further north near the plantation, and have cut acopper lode 4 ft. 8 in. wide; the lode is composed of elapar, mica, red gossan, and some spots of yellow copperore, in a beautiful white granite strate. I think there is no doubt of the adventures the rings good and productive copper saine in limit of the composed of the composed of the productive copper saine in limit of the composed of

WHEAL SOPHIA.—The lode in the adit level is still improving—having any spots of ore. The ground in Boundy's shaft is changing from 154 to 22 per fm. We hope soon to get down with this shaft to the adit level, after hich we may expect a quantity of ore.—H. Luxe: July 1.

NOS MINES.—Say Rapate and Cetaguian.—Mey 17.—I am just advised, that h cross-cut, in San Rafael (San Francisco de Paula), the workmon have broken o 'vagh,' as they suppose, which has produced a rush of water, filling the shaft above the cross-cut; I have, in consequence, sont for 30 horses from the count the other whim to work immediately, by which I hope in a few days to reduce, and be able to resulas this interesting work. The hardness of the ground, number of vughs, and the quantity of water streaming from them, has hitherto cour progresse, but I rust we may experience some relief from this sudden drawoff the water. In

or and the least of the last o

Quic for the of Dod tions to The May the mi San San Incomi buscom mumbe San Freiends throwit extract mostle. San Percents throwit extract mostle.

and thus leave the shaft free from this body of water. As varus long, the sinking of the shaft will be resumed.

or San Granto.—The sinking of this shaft continues we tatements, but the ground still requires timbering, counts enclosed will enable you to form a judgment of the ion in the month of April; and, if no unforcesen circums ped that the profits of this month will fully come up to thatement will inform you of the results of the first three unit of feast days, and millith musters, the extraction of weeks; but, as there are no more least-days to the end of the extraction will be kept up to the 3000 cargas weekly.

8 260 2 6 290 0 0 1131 0 6 51661 3 4 1095 7 7 Net profit 8 593 3 5

to be the very kind of stratum congenial to rich copper one in ide, a foot of which is one of 30 per cent.; and this voin is outire virgin ground. In a winne sinking from the 15 to the d vein, above 9 in. wide, of 95 per cent., one. The stopes also evels, are yielding good ere; but, with our present force, I do see in the produce, nor any decrease, for some time. The dine, as regards its permanency, are better than the The

honr, without being strictly looked inte; and our linglish minors are so frow, that we could not aparechem for that purpose. We have also commenced driving the two intermediate levels below the 15 fm. level, and have levels not or the trusted an intermediate levels below the 15 fm. level, and have broken down about a vara in length of the vein in the end going west, which gave a ton of good Cochieo ore, and about 10 cwts. of are not not control to the could not apare them to the course of another another

re for the company, strived at Swanses on the clinist.

PACHICCA MINES.—May 2s.—Although no great improvement has taken as company's raines during the past month, the lodes both at San Pedro and armost ellicontinue to present indications of a favourable change. Some atom on the bottom of San Guillermo shaft assayed 38 marcs per monton, and some utom of San Pedro 50 marcs per monton. The lede in the 70 varia level, we altro, appears also to be supproving; less week it produced a costal of ore of sty. I am still inclined to believe that at a greater depth we shall finderes of a y, in large quantities. Cost in April, 8518.

Bottom of San Padro 30 marcs per menton. The lede is the 70 vara level, west of San Padro, aspears also to be umproring; lest week it produced a costal of ore of good quality. I am still inclined to believe that at a greater depth we shall finderes of a superior ley, in large quantifies. Cost in April, 501s.

REAL DEL MONTE MINES.—Missard del Monte, Moy 28.—I duly received your despatches of the 31st of March, which came to hand on the 17th. I notice the great concern felt by the directors with respect to the large expanditure consequent on the purchase and transmission of the new engine. I trust, however, it will be clearly seen, that the measure was not hastly proposed, and that it was justified by the necessity of the case; I may state, that it becomes every day more apparent, that the effectual westing of the mines in depth will be shortly interrupted; but it is very astisfactory to observe, that the directors have done all that was possible to avoid the anticipated injury to the interests of the company; and I may senture to say, that no efforts have been, or will be, spared here with the same object. As, however, the political state of this country has prevented its being sent out at the time proposed, we shall, as expressed in my letter of last month, proceed in the interim with the working of the mines, as far as possible, with efficiency, and without incurring loss. I stated it may last, that further trials were going forward at Sanchez; and from Mr. Protrocoakis letter, enclosed you will perceive that about 23 montones will be reduced in the present month with favourable results which shall be supplied by the next packed. In my letter of last month, I moficed that several works had been suspended, in order to reduce the expenditure—amongst others, the shall be supplied by the next packed. In my letter of last month, I moficed that several works had been suspended, in order to reduce the expenditure—amongst others, the shall be supplied by the value of the shall be supplied by the value of the shall be

cican Mines.—Guanarasto, Hay 24. Mine of Rayas.—I beg leave to detailed report which accompanies this dispatch, and regret to say, that respects of immediate assistance from the works of research that are us. The over extracted on hatcheds account are now of a better ley than ally owing to an improvement in the workings; and also the higher like to them bears an important part in the improved ley. A slight im so be observed in the half seles with buscones, according to the follow-results for the last four weeks:— UNITED MEXICAN MINES.

provement will also be observed in the half sales with buscones, according to the following statement of results for the last four weeks:

* weeks ending

April 17

Ca. 2150

Sas46 5 4

16,762 7 1

Ca. 609

April 17

Ca. 609

April 18

Ca. 609

April 19

Ca. 609

Caucksiliver—I have made a small purchase of this article, which was greatly required for the tortas of Barrera and Duran, and two fortas having been washed in the hacienda of Delores, the quicksilver returned by them is partly disposable for carrying on the operations there, and will alsomomentarily supply immediate wants, bothin Barrera and Duran. The following is a report on the state of the workings of the Mine of Rayas:

The following is a report on the state of the workings of the Mine of Rayas:

May 71:

Ag 71:

Ag 72:

Ag 73:

Ag 74:

Ag 75:

A

here. The other points are producing one contracted. Four teen pair or use to the contract of the last months report, has been extracted. Four teen pair or use the ploved it is an aligned by day, and an equal number by night.

Santo Tevide.—6-40 varas has been driven in this level to the south-east in four weeks, the lode censians server threads of quastra, and a becoming harder towards the ubject side of the body. Amongst the varieus points worked on joint account by buscones, there is not one that calls for any particular remark on the present eccasion. A good deal of the ore sold by these workmen, is extracted from the rubbish in the old parts of the mine. The water has been lowered 9.02 varss in four weeks, and is now nearly reduced to the level of San Simon. There have been some heavy rains lately, and it is feared that their effects will shortly be, if not already, felt in the mine.—G. R. Girginux.

ANGLO-MEXICAN MINING ASSOCIATION.

The twenty-third annual general meeting of proprietors was held at the lees of the company, Broad-street-buildings, on Wednesday, the 7th inst., HERRY EWARNE, ESq., in the chair.

After the usual preliminaries, the Chairman read the following report and

REPORT.

during the past year. It will be seen that the operations were on a zill maller scale than in the preceding year, insamuch as nothing has been done in the resistation of ore on maquila, at either of the hacicaelss held by the company, the profits on which new consist of the sums received by way of annual rontal. The directors will, herefore, proceed at once to give a nummary of the progress and during the year in the miso ed—
Anneton—It was stated in the last report, that the system of westing the sains of year of the control of the control of the profits and that this state of things was likely to continue, be the extent, at least, of realising moderate profits. The total profit yielded for the year ending April 18, 1846, was short \$17,000; the amount of these profit shell, because the profits and the lowest \$240. It was short \$17,000; the amount of these profit shell, because the profits and the lowest \$240. It was short \$17,000; the amount of these profits had, however, factuated greatly from month to month, the liquidest amount having itself the profits and the lowest \$240. It was a plus 18 to the profit in four weeks, ending May 16, \$180; June 20 (5 weeks), \$411 long 3 july 18 (4 weeks), \$270 profit; August 15 (4 weeks), \$292 july 18 (4 weeks), \$292 profit; August 15 (4 weeks), \$292 profit; profit in four weeks, ending May 16, \$180; June 20 (5 weeks), \$411 long 3 july 18 (4 weeks), \$292 profit; August 15 (4 weeks), \$292 profit; profit in four weeks, ending May 16, \$180; June 20 (5 weeks), \$411 long 3 july 18 (4 weeks), \$203 line; March 26 (5 weeks), \$414 dites; a profit of the profit should be a profit of the profit s

Hactenada.—Inces examination have been, as stated at the bigning of this report, underiet on yearly renix, on what Mr. Brough considers favourable terms for the company. The sum accraing from this source is about \$1700 per annum. The fullowing was the state of the company's finances at Guanaxuato on the 17th April:—Cash, \$23,648; ditto lent at interest, \$8000; sums owing by rescatodores, \$2250; stores and effects on hand, \$19,580; sundry small plebts, \$165; tord, \$53,484. The directors have, since the date of their last report, received two remittances from Mexico, amounting together to \$27,000.

The following is a statement of the company's finances in England:—Cash at the bankers, 428, 188, 46, 1801; lean, 65001; cash in hand, 497.75, 8d.—6978.75, 10d.—There are no outstanding liabilities.—Subjoined will be found the usual statement of receipts and dishursements for the next very:—

2d.; bean, 65001; cash in hand, 437. 73. 5d. -59767. 5s. 10d.—There inhalities.—Subjoined will be found the usual statement of receipts for the past year:—

Receipts and Disbursements, from June 30, 1840, to June 30, 1847.

Property tax on interest on additional capital
General charges and incidental expenses
Office salaries in England
Lent on security.
Balance of account with Zacatecas Company.
Balance at Messrs. Barclay, Bevan, and Co.'s
Petry cash in hand

The report and accounts were unanimously adopted, when, a vote of thanks having been passed to the chairman and directors, the meeting separated.

TRELEIGH CONSOLS MINING COMPANY.

arterly meeting of adventurers in this mine was held at the offices, Old

depth. It had formerly been very profitable, and the opinion of miners in general was, that it would be a valuable acquisition. There were two lodes—one dipping north, the other south, towards sach other—and they intended to sink a shart between, to take them at the junction, which would not cost above 504. per month. He was happy to say, the state of the finds enabled them to declare a dividend of 6s, per share, payable on and after the first Monday in Aug.—Thanks were then voted to the chairman and directors, and the meeting separated.

shaft between, to take them at the junction, which would not cost above 30th per month. He was happy to say, the state of the funds enabled them to declare a dividend of 6s, per share, payable on and after the first Monday in Aug.—Thanks were then voted to the chairman and directors, soul the meeting separated.

**CURRENCY CREEK SURVEY (SOUTH AUSTRALIA).—An adjourned meeting of proprietors in this survey met at the London Tavern, Bishonagate steer. On Monday, July 5.—HANARE DE CARTRO, Esq., in the chair—Is sealing the report of a committee appointed at the last meeting, on 31st May, and to canside the best means to be adopted under the peculiar position of the abareholders in this new say. The report, which was read by the chairman, recommoded a joint-stock company to be fermal, until fuller information was received from the colony. The committee, however, advised the proprietors to advance a sum of 20th for each 45-acre section, under the full control of a committee to exposite the proprietors. As odvance as of the properties of the proprietors to devance of the properties of the proprietors took an active part—it was resolved, to nivile the shareholders to subscribe a sum of 10t such; and a letter was requested to be written to each shareholder, squiring his assess, or sizes, to such a plan, to be forwired to an intended to the sum of 10t such; and a letter was requested to be written to each shareholder, squiring his assess, or sizes, to such a plan, to be forwired to an intended to a meeting of odvanturers led to a meeting adjourned.

**Balleewinders.—The following is a statement of the accounts, submitted to a meeting of odvanturers led to the chair of the submitted to a meeting of odvanturers led to the committee. However, and the mine of 2t 11st 4d.—Analy diese, 1988; 1.5c., 7d.—leaving behave in a favour of adventurers of 2812 2s. 9d.; balance from former accounts, 1174, 18s. 8d.—May and the submitted of the submitted to the meeting and the submitted of the submitted to the meeting and the submitted to

last report, I recommended the driving upon the lode at the 85 fm. level; but, judging from the present improved and improving appearance of the lode, I beg to recommend the anking of the shaft another lift."

**DEVON AND COURTENAY CONSOLS.—A general meeting of adventurers was held at the mine, on Friday, the 2d inst.—PHILLY LYNE, Esq., in the chair,—when a statement of accounts was presented, showing balance due, when all calls are paid up, 249. 138. The mine cost for April was 5937. 10s. 6d.; that for May, 1327. 9s. 3d. The accounts were passed, and it was resolved, that all future meetings be held on the second Tuesday in each alternate month; that Capt. Nicholas Seccombe be appointed to succeed the late Capt. Job for the next two months, subject to the confirmation of the next two-monthly meeting; and, as the liabilities, including Jane pay, amounts to about 4082, and there being only 2687. 12s. 9d. (when all calls are paid up) to meet it, a call of 10s. per share be now made, to be immediately paid to the purser. Mr. Wm. Bawden's three shares (on which three calls are unpaid), were forfeited. The following report, from Capts. J. and S. Seccombe, was read to the meeting;—

"In driving the deep adit east, on the south lode, a cross-course; the shall has been continued east of this cross-course, on the course of the lode, about 4 fms., which has proved to be much larger than it was west of the said cross-course, being now from 3 to 4 ft. wide, composed of quartz, mundie, killas, and peach, with a small quantity of ore intermixed; from present appearances, we anticipate an early improvement m this end. In driving the 30 fm. level cross-course; the east end is extended about 5 fms., and the lode at present is about 3 ft. wide, composed of quartz, peach, killas, and mundie, with good stones of ore. The character of the lode is row about 5 ft. wide, composed of quarts of the respectively of mundie, with good stones of ore. The character of the lode is very mother in about 5 ft. wide, composed of quarts, peach, ki

A quarterly meeting of adventurers in this mine was held at the offices, Old Broad-street, on Monday last, the 5th inst.

Mr. Nicholson (the accretary) read the advertisement convening the meeting, and the following report from Capt. W. Symons, the agent at the mine — Trelegis Consol. Mine. July 3 — In the 116 fm. level, sea of Circitories, the lode is 15 m. wide, and more promising, but at present but little ore. In the winze, below the 100 cast, the 10de is 20 m. with part of it very good, worth 121. per fm. In Gardan's shaft, below the 100 cast, the 10de is 20 m. with, part of it very good, worth 121. per fm. In Gardan's shaft, below the 100 cast, the 10de is 20 m. with, part of it very good, worth 121. per fm. In Gardan's shaft, below the 100 cast, in the 90 m. level, we shall commence driving north to the lode about Wednesday next in the 80 m. level, wes of ditto, the lode is 16 m. wide, improved, now worth 251, per fm., in the winze, slow the 80 west, the lode is 24 m. wide, worth 131. per fm. In the 90 m. level, we shall commence driving north to the lode about Wednesday next in the 90 m. level, we shall commence driving north to the lode as 10 m. wide, improved, now worth 251, per fm., in the winze, slow the 80, sast of ditto, the lode is 12 m. wide, morth 132 m. per fm. in the 90 m. level, west of ditto, the lode is 12 m. wide, morth 132 m. per fm. in the 90 m. level, west of 3 m. more, the lode is 14 m. wide, producing shome of one of the company were 177. 122 s. 4d., in addition to which was the estimate of the cast of the company of 24-132. The fm. in the 90 m. west of 3 m. more, 100 m. The 100 m. Meet 1 m. wide in the 100 m. which was the estimate of the cast of the company of 24-132. The cast of the company of 24-132. The cast of the company amount to 5-5764. La 4d., and Habiltities 22-23. To define the meeting. He might say, that which they would all have gathered from the reports—via. that they were presending very prosperously—be 100 m. level as much seem any mine of like extent in Corrwall. Th

Ast Pool.—At a meeting of adventurers, held at the mine, on the 15th s, the accounts—showing amount received by sale of tin and copper ores, & & &d., and balance against the mine of 1241 % 5d.—having been exped, were allowed. The thanks of the meeting were voted to Lady Hasset, ontinning her dues at the reduced rate of 1-30th; and Mr. A. Richards paid 5f. 5s. per month, as clerk of the mine.

Ast Wheal Rose.—The following is a statement of the accounts presented to shareholders on the 7th inst.—To costs for March, 2248f. 12s. 7d.; for l, with sundries for the two months, 3489f. Is. 10d.; merchanta bills, 7s. 11d.; lords dues, 1304f. 19s. 7d.; law expenses, 1781 Re. 2d.; North al Rose purchase, 2351f. 13s. 4d.; dividends, 7680f.; expense of Metha 146f. 4s. 3d.; together, 19,276f. 17s. 8d.—By balance from last account, f. &s. 5d.; ores sold, 19,371f. 14s. 6d.; Cargoll adventurers, for supplies, r charge, agency, &c., 182f. 11s. 8d.—22,856f. 15s. 5d.; leaving a balance vour of the adventurers of 3579f. 17s. 9d.

sett, 146f. 4s. 3d.: together, 19,276f. 17s. 8d.—By balance from last account, 2702f. 3s. 5d.; cres sold, 19,971f. 14s. 6d.; Cargoll adventurers, for supplies, water charge, agency, &c., 182f. 11s. 8d.—25,856f. 15s. 5d.; leaving a balance in favour of the adventurers of 8579f. 17s. 9d.

GOSARENA.—At a meeting of adventurers, beld at Liskeard, on the 30th June, the accounts—showing labour cost for March and April, 844f. 12s. 4d.; for materials, 169f. 13s. 9d.; leaving balance against adventurers, 100f. 4s. 9d.—having been examined, were passed, and a call of 2f. per share made. The following report, from Capt. J. Buzza, was read to the meeting:—"We expect to hole the winze from the 20 to the 34 fm. level in a few days, and then commence stoping the back over the 34. We broke about 10 tons of ore in the banch mentioned in last report, which held about 7 fms. in length; we have about 14 tons of ore dressed up, and hope to raise more, to make a parcel for sale from the stopes in the back of this level. The east end in the 34, on the morth lods, is 9 in. big, composed of spar and peach; the bridge lode, in the same level outs, is 4 in wide, composed of spar, capel, and a little ore; in the west it is 8 in. big, composed of spar and peach; the bridge lode, in the same level and of the Bridge lode in the same level, from 6 to 8 in. big, and have commenced todrive west on it—it is composed of spar and mundic; the east heave of the same lode is split into branches, or disordered against the cross-course; the engine-shaft is sunk under the same level 11 fms.; we expected to meet the lode by this time, but have not as yet. In the east adit, driving north, no lode has been cut since the last meeting. We propose driving a 45 fm. level immediately under the ore in the 34, which being there much larger and better than in the 20, we hope there will be a corresponding improvement from the 34 to the 45; the appearance generally of the ore in the 34 were indicative of a good and lasting bunch of ore in depth."

Lexis.—A two-month

SOUTH WHEAL FLANCIS.—Statement of accounts, presented at a meetin of abareholders on Monday last:—To cost for April and May, 1943£ Ia. 3d.—170£ os. 10d. (less dues, 301£, 15a.; ditto May 6, 2319£ 14a. 4d.; by tin sol 170£ 0s. 10d. (less dues, 301£, 15a. 4d.)—4224£ 14s. 10d.: showing profit of 2281£ 13a. 7d: add balance in hand end of March, 578£ 14s. 6d.; tota 2860£ 8s. 1d.—Deduct dividend 12£, per share, 1488£: leaves present balance of 1372£ 8s. 1d.

Hy ores sould (less dues, 3012, 15s. 4d.) = 42241 14s. 10d.: showing profit of 22811. 18s. 7d: radd balance in hand end of March, 5781. 14s. 6d.; total, 2860. 28. 1d.—Deduct dividend 12t. per abare, 14861.: leaves present balance of 13721 8s. 1d.

SFRANY CONSOLS.—At a meeting of adventurers, held at St. Just, on the 30th June, the accounts for three months, ending 31st March—showing an expenditure of 15921 0s. 3d., and leaving a balance in favour of the adventurers of 6742. 16s. 6d.—having been examined, were allowed and passed, when a dividend of 50s. per share was declared, leaving balance of 3541. 10s. 6d. in hand. The accounts showed the amount of tin sold as 42 tons 7 owts. 1 qr. 13 lbs., producing 20722 9s.—the highest price being 577. per ton.

WEST CARADON.—At a meeting of adventurers, held at Liskeard, on the 29th June, the accounts for March and April—showing receipts, by sales of ores, 46022 3s. 7d.—having been examined, were passed, and a dividend of 5t. per share declared, leaving a balance of 21501 6s. 2d. in hand. The accounts show the following among the expenses of the two months:—purser, agents, and clerks' salaries, 714. 4s. 6d.; counting-house expenses, 141. 17s. 1d.; engineman and reporting engines, 79d. 1s. 6d.; tribute, 10842 6s. 4d.; tutwerk, 6442 6s. 2d.

WEBLA. FORTESCUE.—A meeting of adventurers was held at the offices, Tavistick, on Monday, the 5th July.—Thomas Palmer, Esq., in the chair,—the accounts and vouchers for April and May—showing balance in hand, 632 6s. 8d.—having been examined and passed, a report from the captain was read.—The purser then estated to the meeting, that he had communicated to Mr. Hitchins a proposal for the Wheal Maria Company's joining the Wheal Fortescue adventurers, when it was resolved, that the following geneties and the second of the communication in the expense of a trial proposed to be given to the Capel Tor lode, and which Mr. Hitchins said, he should be ready to consider with the Wheal Maria adventurers in the matter, as they may thus hift and rea

Wheal Marx.—At a meeting of adventurers, held at Liskeard, on the 29th June, the accounts—showing labour cost for March and April, 566l. 17s. 4d.; materials, 444l. 15s. 11d., and leaving balance against the adventurers of 256l. 17s. 8d.—having been examined, were passed, and a call of 4l. per share made.—The following report from Capts. J. Nance and J. Roberts was read to the meeting:—"During the last two months we have continued driving the 80 and 50 fm. levels west on old Wheal Mary lodg, and commenced driving the made.—The following report from Capta. J. Nance and J. Roberts was read to the meeting:—"During the last two months we have continued driving the 80 and 50 fm. level east on old Wheal Mary lode, and commenced driving the 25 fm. level east (as agreed upon at the last meeting), for the purpose of ascertaining whether there is a cross-course between this mine and Wheal Sisters, and what effect it has on the lode. In driving about 3 fms. we intersected a sparry cross-course, which does not displace, or heave, the lode; therefore, Wheal Sisters lode being 19 more southerly in its direction than old Wheal Sisters and the boundary—but, judging from the composition of Wheal Sisters, and the lode count copper look, we are permanded they are one lode, and Mary Consols south copper look, we are permanded they are one lode, and therefore, Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west has been driven since large through Wheal Mary sett. The 80 fm. level west side that the sett of the 16 fm. level of the old working inclusive; and its reckned that the management of single several through which was not yet level of the 10 fm. level of the old working inclusive; and its reckned that the management of the lowest every to open

Pose sampling at Looe, on the 11th of July."

Wheal Sistersa.—At a meeting of adventurers, held at Liskeard, on the 29th of June, the accounts were presented—showing, as received for copper ore, 17051. 5s. 3d.; balance of last account, 10921. 12s. 5d. = 27971. 18s. 1d. —By labour cost for March and April, 9171. 19s. 1d.; materials, 2571. 15s. 7d.; lord's dues, 1041. 15s. 6d.; by dividend paid, 5121.—leaving present balance in favour of adventurers, 10057. 7s. 11d. The items having been examined, they were allowed, and a dividend of 22 per share declared.—The following report from Capt. J. Nance was read to the meeting:—"Our south engine-shaft is now sunk to within 4ft. of the 70 fm. level. In the 60 west the lode is 18 in. wide; we are daily expecting an improvement here, as there is a valuable lode in the bottom of the 50 immediately above, but its dip is westerly, and we do not appear yet to have driven quite far enough in that direction to reach it; in the asstern end, in this level, the lode is 4 ft. wide; and, though at present poor, it shows favourable indications, the branches mentioned in last report having united. In the 50 end west, within 8 fms. of Mary Consols boundary, the lode is 20 in. wide, and contains a branch of ore 6 in. wide. There are four pitches in the back of this level—one by nine men, at 4s.; one by four men, at 7s.; and two by two men each, at 13s. 4d.; we have also six men employed stoping; the lode in the eastern end, in this level, is 4ft. wide, conposed of quartz, capel and a little ore. The 40 fm. level end is suspended for the present; at this level we have four pitches—one by two men, at 10s.; one by four men, at 12s.; and two by two men each, at 13s. 4d. Thecross-course the 40 fm lode; the lode in the end is 6ft. wide, and poor, but very promising indeed; and it is to be hoped that as it approaches the cross-course parallel with the productive part of the south lode, it will also prove productive; about 5 fms. behind the end we had some beautiful stones of yellow and black or

of the south lode, it will also prove productive: about 5 fms. behind the end we had some beautiful stones of yellow and black ore; there is a pitch working in this level by two men, at 18s. 4d."

WHEAL TREVENSA.—At a meeting of adventurers, held at the Fountain Inn, Liekeard, on Thursday, the 1st inst., it being resolved to prosecute the mine with vigour, a call of 1l. per share was made, to pay some outstanding debts due for materials, &c. The following report from Capt. S. Bennett was read to the meeting: "Since the last meeting of adventurers, the cross-cut north from the south lode has been extended about 20 fms., in which several metallic veins (varying from 1 to 4 in. in which bave been intersected, composed chiefly of mundic and peach, together with a little soft spar and occasional spots of black and yellow copper ore; but from the character of the middle lode in the shaft, on which we sunk a few fathoms, together with its bearing in the coatean pits, I infer that we have not as yet intersected if. The killas in the cross-cut has been extremely favourable. The last stint of 5 fms. was set at the very low price of 21s. per fm., but the end at present is somewhat harder. I would, however, again strongly urge upon you the importance of further exploring the Wheal Bank lode with all possible speed. Our engineshaft on that lode is now 20 fms. below the adil: level, in the bottom of which the lode is about 2 ft. wide, composed chiefly of spar and peach, with good spots of copper ore, a little mundic, and blende. By reference to my former reports, you will find that the adit level has been extended on the course of the lode is about 20, per fm., and a level may be extended on the course of the lode for about 21, per fm. We have already on the mine all the machinery which is immediately necessary for the prosecution thereof; the water has been forked, and the pumps fixed; and we are now in a position to sink, which I would strongly recommend, 15 fms. farther at least, when, by extending the levels at that dept

DARTMOOR CONSOLIDATED MINING COMPANY.

DARTMOOR CONSOLIDATED MINING COMPANY.

Sin,—In the Mining Journal of last week, I observe a very flattering report, by Capts, John Sparge and Thomas Gregory, upon the operations and progress which this company are making in opening and exploring their minessome time abandoned by other adventurers, who, it appears, worked only a few fathoms below the surface; but, notwithstanding, realised ample returns. Much can be said of the metalliferous ores of that district—viz.: in, lead, and a little copper; in many places, ores of zinc and manganess—yet a great deal more remains to be done before the more profitable lodes are brought to light. The very shallow depth from which fine marketable tin ore has been raised, is a certain indication that ores of a better and richer quality still remain to be worked, by following the lodes to greater depths. The manner in which the Government has looked upon the necessity of a goological survey of Great Britain, and the selection of Cornwall and Devon by the Commissioners of Woods and Ferests for the first field of inquiry, is a proof that those mineral districts required their earliest attention. The very elaborate survey and report of the above counties by Sir H. De la Beche, and the enormous pile of information collected by him during his laborious task, is taken not only from the mines of the present day, but also from old records and documents, which must be of the greatest importance to those connected in either county. From the geological character of the district selected by the Dartmoor Consols Company for their operations, I feel almost assured they will be amply rewarded for their outlay. The Great Wheal Friendship Mining Company, which has been for many years in operation, and is still at work, have met with great success; and I am informed, that they have made ample returns to the shareholders. I can see no reason why the mines on Dartmoor, whose mineral veins are equally rich and productive, should not meet with the same success.

Ashburton, Deron, July 8.

PRACTICA

PRACTICAL MINING—POWERS OF A PURSER.

Sin,—Will you permit me to ask my better-informed mine adventuring brethren, through the medium of your Journal, a few questions on mining matters, and to solicit their reply through the same channel, in your next paper. If so, the first I would put is—1. How can a legal meeting of mine adventurers be convened, without the concurrence of either the purser, or manager, of the mine, the two latter holding shares?—2. Can the purser, or manager, of the mine, the two latter holding shares?—2. Can the purser of a mine legally refuse to allow any adventurer a sight of the cost-book at any time when called on for that purpose?—or can he refuse to show it, except at a general meeting of the adventurers?—3. Are the acts of the purser, in contracting debits, &c., for the mine, binding on all the adventurers, should such acts be committed without their knowledge, or sanction?—4. The purser of a mine, having sufficient confidence in the adventurers, as to give credit in the cost-book for all calls made for the mine—can he afterwards legally bring forward any arrears that may be due from adventurers who have not paid, and compet the other adventurers, who have paid, to make up such deficiency?—6. The purser, manager, and three or four other adventurers in a mine, having promised to pay for eretain materials supplied to their co-adventurer, who was the contractor for an engine, which has been erected on their mine, and for which the contractor has been paid by the adventurers the amount of his contract, but the materials not being paid for by the contractor, the adventurers have been called on for the amount of such supplies—are all the adventurers have been called on for the amount of such supplies—are all the adventurers have been called on for the amount of such supplies—are all the adventurers have been called on for the amount of such supplies—are all the adventurers have been called on for the amount of such supplies—are all the adventurers have been called on for the amount of such PRACTICAL MINING-POWERS OF A PURSER.

find it about 3 ft. wide, worth about 10t. or 12t. per fm. In the 14 fm. level, on this lode, the tributers are raising good tinstuff, sufficient to keep our new stamps of eight heads (or even 12 heads) fully supplied; this and the other promising points referred to above, will, we presume, be considered sufficient to justify us in expressing our confident hope that this mine will, ere long, raise itself from its depressed state, and (with a little more perseverance on the part of the shareholders) ropay them their protracted and heavy outlay. The 25 and 70 cross-cuts north have neither of them yet intersected the lode; the 25 end is at present in a favourable stratum of soft white killas, and must be approaching very near the lode. The ground in the 70 cross-out is still hard, but we hope soon to get through it into more favourable ground, as in the 25 above. We have about 40 tons of copper ore preparing for sampling, which we purpose sampling at Looe, on the 11th of July."

WHEAL SISTERS.—At a meeting of alventurers, held at Liskeard, on the 29th of June, the accounts were presented—showing, as received for copper ore, 1705t. 5s. 8d.; balance of last account, 1092t. 12s. 5d. = 2797t. 18s. 1d.—By labour cost for March and April, 917t. 19s. 1d.; 1 materials, 257t. 15s. 7d; 1 ord's dues, 104t. 15s. 6d.; by dividend paid, 512t.—leaving present balance in favour of adventurers, 1005t. 7s. 11d. The items having been examined, they were allowed, and a dividend of 2t. per share deeper and the other provides of the dividends and a dividend of 2t. per share deeper and a dividend of 2t. per share deeper of fine case is for 2t years from the present period, at the exceedingly moderate roughly such as the second of the mine is situated in one of the per share deeper and period of the mine and stricts in Cornwall (in the parish of Perrangabuloe), and, or the period of the mine of its suspension, which event of 18,000t. chiefly in underground works and operations. Returns of 50 tous per month were being made at the time of

MINE DIVIDENDS .- In our article of last week, giving the list of dividen paid in six months ending 30th June, we stated the amount as 76,030l.; since this Wheal Sisters has paid 512l., and East Wheal Rose 7680l.—these should have been added to the list—thereby making it 84,222l for the six months, being an increase of 1488l. over the corresponding six months of 1846; but, allowing for the falling off in two mines alone of 22,528l, it shows an increase of dividends for the six months of 24,016l.

MINING NOTABILIA

SEXTRACTS PRO

CONDURROW is looking better generally, and in one particular point much improved; I allude to the 50 fm. level (bottom end east), on engine lode, where there is every appearance of a course of ore coming into the lode; the back of the said level is being stoped at 20s. per fm., and is worth about 20t. per fm. The deep adit end west produces from 8 to 10 tons of ore to a fm. On the Llandower lode, and the 10, cut on the same lode, about 7 tons, leaving good backs and bottoms.

good backs and bottoms.

GWINEAR CONSOLS.—I have visited this mine, and can assure you that there is a most valuable and extraordinary lode in the adit end, going west, being from 6 to 7 ft. wide, from which at least 50 tons of very superior ore have been broken since this day week; they have driven through it about 5 fms., and the lode in the end is as good as ever; and I am of opinion, that it will be found productive both in height and depth, and, consequently, the returns will be considerable.

the lode in the end is as good as ever; and I am of opinion, that it will be found productive both in height and depth, and, consequently, the returns will be considerable.

Herodefoot worth of ore last month, and will sample immediately 45 tons of best ore, and about 26 of inferior. We are daily expecting to cut the 82.

Marke Valley.—A very considerable improvement has taken place here during the last three weeks. In driving east on Saram lode, in the 65 fin. level, we have got into ore ground, 12 fms. before we expected to reach the shoot of ore discovered a short time since in the 50 fm. level; at first the lode produced 8 tons of ore per fin., but now it is worth 10 tons per fm., with every prospect of continuing to be equally productive. In the 50 fm. level we have had a course of ore for about 18 fms., and the end is still good. In the 80 fm. level we have cut Marke's lode, and extended on it east and west; it is about 18 im. wide, composed of can, soft spar, peach, and squats of black and yellow ore—altogether a kindly and promising lode.

West Downs Cossols.—More than sufficient tin has now been broken than to cover the cost to the present time. Mr. P. N. Johnson has visited the mine, and pronounced the quality of the tin to be extraordinarily rich; he took some specimens with him to have them assayed.

EAST ALVENNEY.—The lode is looking most splendid; we have an excellent lode now in sight in the shaft, worth all of 33t, per fm. I never any richer tinstoff than what we are breaking. You would be surprised to see it; it is like so many flates of cast-iron. We hope to give you good news respecting the middle lode; I should think about the latter part of next week.

Wheal Sampson.—The lode is shout 4 ft. wide, underlaying about 2 ft. in a fathom—a kindlier lode was never seen. You, nor any person else, never can look on a kindlier lode. The walls are as smooth, as the saying is, as a glass bottle. On the foot wall, there is a branch of flookan, about 2 ft. in a fathom—a kindlier lode was never seen. You,

MEETINGS OF THE IRON TRADE.

MEETINGS OF THE IRUN IRADE.

The hims quarterly meetings of the ironmasters of Sauth Raffordshire and Shropshire, commenced at Walsall, on Tuesday; its second was held at Wolverhampton, on Wedesday. The attendance of those engaged in the trade was unusually numerous, and necluded some of the largest makers in the district. It was consecuted, that the demand or iron continued sufficiently large to afford an easy maintenance of existing prices, and hat, consequently, no reduction would be acceded to. There remain on hand heavy refers for railway purposes; the demand from the continuent is also considerable; and the railfying fact was reported, that during the last two or three weeks, there have been railfying fact was reported, that during the last two or three weeks, there have been

difficulty might be expess. The result showed the

THE APPLICATION OF ELECTRICITY TO THE SHELTING OF COPPE.—This diseased indeed to by Sir R. H. Inglis, at the recent meeting of the British Association.

"I believe a process has been patented for that purpose; but, as yet, perheat time has not clapsed to test its full value. We all know that an experiwe all know that an experiment succease by exhoratory, which may not succease by persample, is extended to its ordinary size in storred from outsies to tone. But if the overars he realised, their plan will be of reasier proportionate value to some of the other proportionate value to some of the data: 10,000 time of copyer ore were sent of; and that they produced no more than at it, by this process of smelting by election the spot, 8400 tons of shipping are the colony and the mother counter. ceeds perfectly in the case of a model, or in a latoratory, which may in scrip when the miniature steam-engine, for example, is extended to it a manufactory, or when the operation is transferred from ourses to hopes, expectations, and considence of the discoverers he realised, the the greatest value to this country, and of even greater proportionatoval Queen's most important colonies. It has been said that 10,000 foss of coplast year from Australia to be smelted in England; and that they produce 1600 tons of copper. It is evident, therefore, that if, by this process of tricity, the refuse—namely, \$400 fons—can be left on the spot, \$400 ton liberated for other purposes of commerce between the colony and the and the saving of coal in England, an object not only sevold of interest.

An English eigine-driver, named Adams, se way, has been condemned by the Correctional locate, for having caused the death of a man me of the railway, by running into some engines o his having driven the pilot-engine too rapidly, a

PRICE OF CALL MARKET, LOWDOW.

PRICE OF COALS PER TOW AT THE CLOSE OF THE MARKET.

MONDAY.—Adair's Main 16 6—Davison's West Hartley 17 6—Eden Main 17 6—Wall's End Bewicke and Co. 17 3—Haswell 18 9—Whitwell 17 3.—Ships, 92; sold, 40.

WEDNESDAY.—Hasting's Hartley 17 6—Ord's Redheugh 16 6—West Wylam 16—West Hartley 17 9—Eden Main 17 6—Andessen's Garcafeld Coke 30—Derræntwater Hartley 17 9—Eden Main 17 6—Andessen's Garcafeld Coke 30—Derræntwater Hartley 17 9—Eden Main 17 6—Theolog 17 3—Hibles 17 3—Welley 17 3—Hetton 18 6—Braddyil's Hetton 18—Hartleyool 18 6—Thornley 17 Seymour Trees 17 6—Tees 18 3.—Ships at market, 49 sold, 20; unseld, 39.

FRIDAY.—Carr's Hartley 17 3—Choster Main 16 6—Holywell Main 17—Original Tanfield 16 6—Ord's Redheugh 16 6—Ravens worth's Wood Hartley 17—Wall's End Chennell 16—Heston 17 3—Edilingworth 17—Braddyil's Hetton 16—Esse Hetton 17—Haswell 18 6—Hetton 16 6—Stewart's 16 6—Whitwell 17 3—Heugh Hall 17 3—Seymour Trees 17 6—Tees 18 3—Cowpen Hartley 17 3.—Ships at market, 56 ; sold, 20; unseld, 27.

wart's 10 6-White in Hartles

Current Prices of Storks, Shares, & Metals.

Bank Stock, 7 per Cent., 1964

per Cent. Reduced Ann., 884 94

per Cent. Consols Ann., 884 4

per Cent. Annulties, 874

4 per Cent. Ann., 91 904

Long Annulties, 94

India Stock, 104 per Cent., 2448

per Cent. Consols for Acc., 886

Exchequer Bills, 1000, 24, 14 11 14 pm.

STOCK EXCHANGE, Saturday morning, Eleven o'ch Belgian Bonds, 45 per Cont.,
Dutch. 22 per Cent., 578 6
Brazilian, 5 per Centa., 84 6
Chilian, 6 per Centa., 193 19
Spanish, 5 per Centa., 193 19
Spanish, 5 per Centa., 13 2
Ditto 3 per Centa., 13 2
Portuguese, 5 per Centa.,
Rnesian, 5 per Centa., 1112

India Stock, 104 per Cent., 2444
3 per Cent. Consols for Acc., 886
Exchequer Bills, 10002. 2d.,14 11 14 pm.

Mines.—There has not been so much activity in the mining share market this week as we anticipated, from the amount of business transacted during the former; at the same time, we are of opinion that a decided improvement may be calculated on, from the many inquiries that have been made, and number of shares in the larger dividend-paying mines, which are now being in course of negotiation. The cause of this business being incomplete may be attributed to holders standing out for higher prices, and, in some instances, above our present quotations.

We published last week a list of 29 mines, with the amount of dividends paid during the past six months, together with the expenditure upon such shares, and, consequently, the present premium, taking them at their market value, or the last price each share has been known to obtain; which statement, from the numerous inquiries since made, has no doubt created a manifest desire to invest in an interest, that from its peculiar constituency, when conducted by legitimate procedure, as sanctioned by the Stannary laws of the Duchy, may be deemed a safe and profitable investment. The slight improvement in the standard of last week has given rise to a hope, that a progressive advance will take place; although small, it will have a tendency to allay the irritation felt by the adventurers in many mines, which, at a vast monthly outlay, can scarce keep themselves from a loss, in mines that would, with a fair standard, be meeting cost, or paying dividends. It is to be regretted, that this shameful monopoly of the smolters has not yet met a sufficient opposition in the market, to compel, by competition, an equitable price for copper ores, as compared with the present advancing prices of fine copper.

At the Troleigh Consols meeting, on the 5th, declared a dividend of 6s. per share was declared.

South Wheal Francis meeting, on the 5th, has declared a dividend of 6ol, per share,

the county at 251.

Buyers are to be found in East Wheal Rose, Treviskey and Barrier, South Wheal Francis, Trehane, Trelawney, Herodsfoot, Wheal Mary Ann, Stray Park, Carn Brea, Condurrow, North Pool, &c.
Shares in the following mines have changed hands during the week—viz.: Gwinear Consols, South Wheal Maria, Treviskey and Barrier, Tremayne, West Wheal Providence, Carn Brea, Treleigh, Wheal Mary Ann, Trehane, East Crowndale, Plymouth Wheal Yeoland, Birch Tor, West Wheal Maria, Franco, &c.

In the foreign share market we do not learn that many shares have changed hands, except in the Imperial Brazilian, in which some business has been done. Kinzigthals have been done, but not to any considerable extent. Accounts have been received by the Medway Royal West India Mail steamer, which are highly interesting, as far as regards the mines: the amount of specie, &c., received by her is of considerable amount.

RAILWAYS.—The business of the week was ushered in by remarkable dulness, and, in many cases, by a decline in prices, more particularly the shares of the Great Western Company. On Tuesday prices became more steady, but without much business doing; nor has there been any activity in the market worthy of notice up to last evening.

in the market worthy of notice up to last evening.

Martness.— Duffark Larvit and Forth Caw: adjourned annual meeting; the report stated that it was expected the bill for uniting with the Llynvi Valley Company, and extension, would shortly receive the Royal sment—that the traffic had greatly increased since last year, and was still increasing.—Dutch Reeniss: annual meeting at Amsterdam; the receipts had been for the year, to April last, 522,501 guilders.—Montra decrease of 86,796 guilders; the expense of working was 330,545 guilders.—Montra Statemans: the had-yearly meeting; receipts to present time had been 1,145,9461. 10s. 8d.; and expenditure, 540,1034. 14s. 5d.—Grara Northers: special meeting, to authorise directors to lease Royaton and Hitchin Railway.

Edinguaga and Hawick.—This line has been opened for eight miles from the former place to Dalhousie. The Lowestoft and Reedhau line was opened on Thursday week. Since the completion of the railway thoroughfare from London to Edinburgh, every excition has been made to secure the perfect co-operation of the several companies throughout, and it is expected the time tables will be accurately followed out. The preamble of the bill of the South Yorkshire, Doncaster, and Goole, was declared proved in the Lords committee on Thursday last, and the Royal assent is expected to be obtained on the 15th.—Shaakevu. Khaveny.—The London and North-Western Railway, after having carried goods for the Irish charity, amounting in freightage to 2000i., cutrilly free, have now refused to carry any more, having been extensively choated by passengers representing their luggage under that ples.

At Mesers. Lamond's sale, on Tuesday, business was quiet, and few transactions were

dull, and but little business done.

HULL, THURSBAL,—Since we last wrote, our market has been without material alteration. We have not had much business passing; and, where sales have been pressed
lower prices have been obliged to be taken.

THAMES TUNNEL COMPANY.

The number of passingers who passed through the Tunnel in the week ending July 3,

was 18,022; amount of money, £75 1s. 10d.

Prom these returns, it will be seen, that the amount of traffic for the last week, on near 780 miles of railway, was 180,5121., thus accounted fur:—101,486, for the conveyance cases on the second of the conveyance of second of the second of

	liway.	tual cost.	Div.	1847	1846	9000 South Tamar
Arbroath and Forfar		£142,900	3p.c.	£ 265 6 11	€ 234	LATEST CURRENT
Chester and Birkenhead	. 15	658,293	20	707 18 9	684	LONDON
Dublin and Drogheda	. 35	609,246	34	1023 11 11	863	DONDON;
Dublin and Kingstown		349,736	9	1616 4 6	1987	E. E. E. A. C.
Dundee and Arbroath		156,323	6	-	375	Inon -Bar a Wales ton 8 7 6 8 18
Dundee, Perth, and Aberdeen	. 47	Charles and Charles	-	1011 1 6	-	., London 0 0-9 14 0
East Lancashire		814,417	-	1026 2 9	-	Nail rods , 0 0-10
Eastern Union		6,513,026	7	12846 17 11	10003	Hoop(Staf.),, 0 O
Edinburgh and Glasgow	: 17	227,253	-	1065 2 5	466	Sheet ,, 0 1300
Glasgow Paisley and Ave	53	2,112,136	6	3385 11 10	3825	Bars
Glasgew, Paisley, and Ayr Glasgow, Paisley, & Greenock	23	1,567,281		- 2651 18 3	2118	Welsh cold-blast 7 10 5 0
Great Southern and Western	563	835,918 1,348,718	2	1379 14 8	1209	leanary pig
Great Western	241	9,714,939	-	1741 10 11	30 - 17	Scotch pig b, Ch
Kendal and Windermere	14	5,114,589		92543 15 8	91696	Rails, average
Lancaster and Carlisle	. 70	975,625		199 0 0	100 to 100	Russian, CCN
London and North Western		18,042,004	10	1460 8 2 45156 5 10	10000	Go 0 0-
London and Blackwall	No.	1,102,717	14	1436 0 3	40291 1526	Archanica 0 0-13 10 0
London, Brighton, & South Coast	112	5,109,667		9694 6 7	6911	Swedish don the spot 11 10-11 15 0
London and Sonth-Western	. 127	4,276,789	9	10198 4 3	8300	Steel, fagt. 0 0-16 5 0
Manchester & Leeds	. 1174	5,036,391	54	8441 17 0	6911	, kegse 0 0-15 0 0
Manchester, Sheffield, & Lincolnsh	49	1,678,108	8	2291 0 0	1888	Coppus Tile! 0 0-97 0 0
Maryport and Carlisle		- Charles	-	700 2 0	626	Tough cake 0 0-98 0 0
Midland Company	329	7,869,274	A Second	20647 8 10	17252	Best selected 0 0 101 0 0
Newcastle and Berwick	. 9	1,184,079	8	1211 10 5		a Discount 24 per cent. & Net cash.
Newcastle and Carlisle	65	1,184,080	5	2615 5 6	2642	e in kegs and f-inch. / Discount 3 per c
Norfolk North British		1,199,689	7	2099 7 7	9077	in bond. (Discount 3 per cent.
Shreemburn - 2 Cl	79	1,459,958		1963 11 6	Maria Con	m Discount 14 per cent. a Discount 14 per
Shrewsbury and Chester Bouth Devon	- 15	354,945	7	438 5 9	1060	
South-Eastern	20	1,061,283	100	845 9 9	469	InoxWelsh and Staffordshire continue to
Taff Vale	148	5,888,411	26	9488 19 3	9941	yesterday in Birmingham, prices were well in
Ulster	304	888,411	64 -	1456 16 1	1298	
Whitehaven Junction	12	356,363		490 18 7	- 576	Scotch pigs are rather improved; in Swedle week's Mining Journal.
Yerk and Newcastle.	1574	1,719,317	-	222 9 11 4964 17 9	6001	
York and North Midlend	1624	2,483,256	10	7324 15 11	4611	Coppen, Tin, Tin-Playes, and Luan are w
	1000	w/440'X04	10	1024 10 11	- 2011	STELTER Sales this week have been made

PRICES OF MINING SHARES.

	PAICES OF A	THE PARTY OF THE P
	BRITISH MINES.	BRITISH MINES—continued.
	Shares. Company. Paid. Price.	- ARA AL IN MIN
	512 Albert Consols 1 2	256 South Tolgus
	235 Andrew and Nangiles 28 16	128 South Yeoland 164 20
	10000 Ayrshire Iron Company 5 4‡ 1624 Balleswidden 9 18 128 Balnoon Consols 25 25	128 South Wheal Busset 110 65 124 South Wh. Francis 160 210
ď	10000 Banwen Iron Co 2	256 South Wh. Hope 5 1000 South Wh. Maris 21 2
	1000 Barristown 41. 18 4000 Bedford 21. 31	1000 South Wh. Maris 2 2 2 2 2 2 5 South Wheal Rose 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
i	315 Birch Tor Tin Mine 244 8	
1	8000 Blaenavon 50 23 100 Botallack 175 140	256 St. Austell Consols 8 14 94 St. Ives Consols 220 128 St. Michael Penkivel 5 10 1000 Stray Park 43 31
1	120 Brewer	1000 Stray Park 43 . 31 9600 Tamur Consols 5 5
1	— Ditto ditto, scrip 10 19 128 Budnick Consols 521 40	1024 Tavy Consols 34 5
	128 Burthy	1000 Tin Vale Consols 2 2 256 Ting Tang 15 10 128 Tokenbury
3		128 Tokenbury
1	256 Caradon Copper Mine 94 . 1	256 Trelune
	256 Caradon United 24 10	256 Trenow Consols 30 25
	128 Callestock 17 30 1000 Callington 19 28 256 Caradon Copper Mine 94 1 256 Caradon Mines 224 17 256 Caradon United 24 10 256 Caradon Wil. Hooper 30 4 1000 Carn Bres 15 105	96 Tresavean · · · · · · · 10 · · 250 120 Trethellan · · · · · 5 · 27 120 Treviskey and Barrier 130 · · 160
	112 Charlestown200 100	256 Trewollack 20 . 15
	166 Cleveland 9 6 512 Coatlithe Hill 1 1 1900 Combinartin 7 4 1 128 Comfort 45 80	256 Trewollack
	1900 Combinartin 73 44 500 Comblawn 13 14	256 Wellington Mines 15 30
		128 West Basset 45 25 256 West Caradon 20 168
	2560 Cook's Kitchen 14 51 1000 Coombe Valley Quarry I 11 1000 Copper Bettom 1 5	256 West Caradon
1	1000 Copper Bettom	256 West Grambler 7 8 — West Kekewich Consols — 3
1	1024 Cosheen	- West Kekewich Consols 3 256 West Providence 1 18 200 West Seton 40 . 60
1	800 Cubert Mine	- West of Scotland IronCo. 210 212
1	2048 Dartmoor Consols 2 . 4 7100 Derwent 84 . 5 1024 Devous Courtenay Con. 6 . 3	010 111 - 1 11 11 1 11111
1	1000 Dilitions 2 0	8845 West Wheal Jewel 11 24
1		2560 West Wheal Rough Tor
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1	112 East Caradon 42 42 42 44 14	5200 Wicklow Copper 5 11
1	512 East Combe Silver-Lead 64. 64. 128 East Foot 5. 20	184 Wheal Adams
1	112 East Caradon 42 42 2048 East Crowndale 41 14 512 East Combe Silver-Lead 64 64 128 East 1905 5 30 100 East Relistian 22 40 9000 East Tannar Consols 14 2 East Wheal Albert 1 3 3	184 Wheal Adams
1	94 East Wheal Crofty280 310	256 Wheal Allen 2 5 237 Wheal Anderton 164 26
ı	- East Wheal Corfty 280 310 256 East Wheal Fortune 2 3 128 East Wheal Rose 50 1250 2046 East Wh. Rough Tor 4 2	128 Wheal Arvose 31 6
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t	256 Herodsfoot 14 112 10000 Hiberulan 122 15	
l		256 Wheal Mary Consols. 38 25
1	Hobb's Hill	4000 Wheat Bartha Consols. 5 22-2: 512 Wheat Mary Ann 5 22-2: 266 Wheat Mary Consols. 38 25: 256 Wheat Mary Cansols. 38 25: 256 Wheat Mary (Lainvet) 63. 4 25:
1	2048 Lauvet Consols 4 . 24	210 Wheal Prospect 4 7
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1	1000 Lawis 15 64	99 Wheal Seton214 850
١	1000 Llwyn Malees 5 ·· -	256 Wheal Sisters 294. 35 256 Wheal Sophia 34. 10
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ı	100 North United 73 15 1856 North Wh. Abraham 2 15 262 North Wh. Loisure 14 34 12 128 North Wh. Loisure 14 34 12 128 North Wh. Providence 24 8 15000 Northern Coal Co 22 2 1300 Old Delabole Slate Co 25 50 1298 Payr Consols 900 1000	THE STREET STREET, STR
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	956 Pastuan Wheel Mars 91 6	12374 Ditto Subscription
	128 Pen-y-Cefn Mina 50 55 1280 Perran St. George Un. 13 20	
ĺ	128 Perran Wh. Virgin 94. 50	10000 Cobre Copper Co 40 254 8500 Colombian Co. regis 55
	and william warmer and the state of the stat	
	112 Providence Mines 35 45 256 Redruth Consols 3 5	5000 Copiapo Mining Co 14 31 10000 General Mining Ass'n. 20 151 5000 Kinzigthal Mining Ass. 2 42
ı	10000 Rhymney Iron 50 30 10000 Ditto New 7 62	2000 Mexican & SouthAmer. 7 3
Section 1	1000 Rosewall Hill 5	5000 Mocaubas & Cocaes 25 41-5 29320 { Rl.del Monte, regis. } 281 av. 21
ı.	256 Rosewarva Mines 12	Ditto unregistered 404 Av. 21

LATEST CURRENT	OF TALE.
in bond. f. Discount 3 per cent.	The Pratts - Ch., IC4, box 1 8 - 1 10

Ditto unregistered / Ditto Red Debentures — Ditto Black ditto — Ditto Black ditto — Ditto Loan Notes — 150 Royal Santiago — 10

MONTHLY REPORT.

[From a Correspondent.]

Inom.—In English bar-iron a good business has been done at quoted prices mand still continues steady, but some of the large makers having sold freely name a price for the present. In rails there is little doing; the price may be qui for quantities, and 9. for small parcels. For Etaffordshire mannfactured from the freely manner of the prices are fully maintained. The quantity of Scotch pignards of speculators now being small, prices have slightly advanced. In 8 and 60 feet there is nothing to notice.

Copyright —English is no good demand at quotations. In foreign nothing dot Tix.—English has declined 4t, per ton during the month, since which a bett as sprung up. Of straits, small parcels have sold at 8ts.; Basca is nominally Tix-Playrie remain dult; i C coke is freely offered at 25s., and charcoal of m board here.

GLASGOW PIG-IRON TRADE, July 8.—Under the influence of a falling grain market, improving prospects, and an increasing demand, together with the small stocks held by scalers, the price of pig-fron is still advancing. Mixed Nos. have been sold to some exent, at 67s. 6d. and 68s., cash—at which there are still buyers. We quote, as the price o-day, 66s. 6d. for No. 3; 68s. 6d. for mixed Nos.; No. 1, 69s. 6d.—cash, free on board.

COPPER ORES.
Sampled June 23, and S.id at Andrew's Hotel, Redruth, July 9, 1847.

Mines.	Tons.	Pric	e.		1	Mines. Ton	6.	OVER STREET	Pri	of.	
Carn Brea	109	 £7 5	0			United Hills	98	****	£4	19	6
ditto	96	 5 17	0		1	ditto	88		3	11	0
ditto	90	 5 1	6			ditto	48		5	4	0
ditto	88	 4 5	6			Wh. Sparrow	39	****	5	17	0
ditto	84	 5 5	6		117	ditto	35		3	15	6
ditto	82	 11 6	6		180	Par Consols	94		6	16	6
ditto	81	 8 16	6	1	11	ditto	83	****	9	16	
ditto	69	 10 4	0		10	ditto	79		. 5	2	6
ditto	58	 10 .5	0	-		Levant	75		- 8	5	6
ditto	40	 4 18	6	-		ditto	46	****	8	14	6
ditto	33	 1 5	0		21.	ditto	33		8	2	0
Alfred Consols	81	 2 18	. 0			Wh. Agar	47	****	7	6	0
ditto	77	 7 - 5	0		1	ditto	17		. 2	- 6	6
ditto	67	 2 17	6			Botallack	36		8	16	6
ditto	62	 2 18	6		-1	North Wh. Basset	34		4	19	0
ditto	44	 2 3	6			Cook's Kitchen	17		4	6	6
Wh. Prosper	76	 5 17	6			Wh. Ruby	17		. 8	0	0
ditto	62	 4 9	6			Gwinear Consols	10		3	3	ò
ditto .	58	 5 17	6			ditto	6		14	12	6
ditto -	56	 2 5	6		. 10	West Tolgus	11			17	6
ditto	36	 6 10	6			Wh. Maud			7	4	0
Wh. Friendship	21	 2 9	6			~ (dall (da. 1) (d) (1) (d)	-	100	11.3		1

TOTAL PRODUCE. TOTAL PRODUCK.

Carn Bres ... 830 £5789 12 6 Wn. Agar ... 64 £382 12 6
Alfred Consols ... 331 ... 1278 4 6
Wh. Prosper ... 300 ... 1468 9 6
United Hills ... 308 ... 1374 16 6
Wh. Sparrow ... 309 ... 1374 16 6
Wh. Maud ... 31 ... 178 30 9
Wh. Maud ... 31 ... 178 31 2 6
Levant ... 154 ... 1190 5 6 Wh. Maud ... 3 ... 21 12 0

| COMPANIES BY WHOM THE ORES WERE PURCHASED. | Tons. Amount. | Amo Total tons......2386 £14,184 19 0

NO SALE on Thursday next, July 15.

Copper ores for sale on Thursday week, at Pearce's Hotel, Truro.—Mines and Parcel—Devon Great Consols (Wh. Maria, Wh. Fanny, and Wh. Josish) 798—Tresavean Hrvikkey 35.—West Caradon 351—Politice 332—Fowey Consols 317—Wh. Friendsh 210—Wh. Jewel 134—Bedford United Mines 103—Barrier 94—Holmbush 60—Ting Tat Consols 95—Wh. Maiden 30—South Towan 13—Wh. Unity Wood, 6.—Total, 3265 foms

COPPER ORES

Sampled June 16, and Sold at Swansea, July 8, 1847.



	Price.	Purchasers.
. 2	£46 10 0	Calenick Smelting Co.
. 3	46 15	Calenick Smelting Co.
. 10	42 10 0	Daubuz and Williams.
	35 12 6	Calesick Smelting Co.
	. 3	Tons. Price. 2

LEAD ORES

Mines.	and the second	me.	Amount.	Purchasers.
Massyrerwddn				
ditto			10 7 0	Walker and Co.
Coetia Llys			10 17 0	ditto
Milwr	1	3	10 7 6	Mather and Co.
ditto	1		10 To 0	Walker and Co.
Hendre	61		0 4 6	Newton, Keases, & C
Frenfowner		*******	2 10 6	Mather and Co.
East Logylas	62		9 8 0 aven	ditto
Goginan		- Name and a l	3 7 0 0	Walker and Co.
Frongoch	78	******	9 1 0	
East Logylus		*******	8 19 0	ditte
Hog		*******	3 6 W	Newton, Meates, & Co
Darran	7	1	4 10 6	Walker and Co.
Graigoch		*******	9 1 0	Newton, Kentes, & Co
Barristown	40	I	4 11 6	Newton, Kentes, & Co
Llangynog		******	9 5 6	ditto

PATENT VULCANISED INDIA-EXIBBER HOSE-PIPES AND TUBING
PATENT VULCANISED INDIA-EXIBBER HOSE-PIPES AND TUBING
OF EVERY DESCRIPTION.
These pipes are made to shand hot-water without injury—are vory superior to leather pos, or the common India-rabber pipes, and, as they do not become bard or stiff in the west suspensatures, or require any application when est of use, are particularly well laubed for fire-engines. real temperature, or require annual for the congress, or separated for five-ongines.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, he.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, he.

JUNE TUBING, of every description, for gas, chemical purposes, he.

JAMES LYNE HANCOCK, 50

ole manufacturer, rell Mews, Goswell-road, London.

NOTICES TO CORRESPONDENTS.

Carbon "(Dudley)... Though we are ready at all times to give place to inquiries to elicit information of interest to our readers, we cannot think of publishing those w "Carbon" puts to "Obadiah," respecting the Dawley Field Works. Whatever discontany exist between the old chartermasters and the manager, and the compit of minopoly in those works, would be best rectified by an appeal to the owners o property, or the authorities of the district.

THEAL CONCRED MINE.—We hope to receive a report of the proceedings at the meeting of adventurers, on Monday last, which will render the insertion of Mr. Crand's letter

THE MINING JOURNAL Railway and Commercial Sagette.

LONDON, JULY 10, 1847.

We have been informed that parties, largely interested in lead mines in South Wales, Ireland, and other districts, have lately decided upon the sale of their ores by public tender-a mode now universally adopted in Cornwall and Devonshire by parties not having smelting works of their own. The market of the River Dee has of late afforded but feeble competition for the cres which have been sent there—a fall in the price upon some qualities, of 20 per cent., having occurred during the last three months; whilst there has been no corresponding fall, either in the prices of pig-lead, or of the silver which the cres wield

rer which the ores yield.

The credit given in the River Dee is short, being but 30 days from date of sale: this circumstance may partly account for the great depreciation which has occurred; but the want of competition appears to us to have much more to do with it; and we think that lead ore producers generally would do wisely to adopt the Cornish mode of sale by tender.

The number of firms, now engaged in the smelting of lead and of argentiferous lead ores, and having works on the Dee, in Cornwall, Devon, South Wales, and other places near the sea coast, or navigable rivers, and the advantage which several of them will derive, from being able to purchase ores from different localities and of different qualities, will probably induce them to place more capital in

the trade, and to increase their scale of operations.

The present moment is most favourable for parties making such arrangements, as stocks of ore can be brought at very reduced prices,

arrangements, as stocks of ore can be brought at very reduced prices, and credits of three months, from the date of sale, are to be given. The prospective view of the British lead market is encouraging; the mines of this country, although more numerous than they were, are on the whole producing a smaller quantity of ore than they did five years ago, and, indeed, less than the average quantity for a long series of years: those of the United States of America are not producing nearly so much as they did two years ago; and from the improved state of that country, the internal consumption of lead has increased, so as to leave little, or none, for export to Europe: then, again. Snain has fallen off very largely in its production during the increased, so as to leave little, or none, for export to Europe: then, again, Spain has fallen off very largely in its production during the last 10 years, and exports little but hard lead, and the mines there are rather on the wane than the contrary.

The present state of the money market, and the general depression of trade in the manufacturing districts, has tended to render the demand for lead less brisk than usual; but a good export trade is, we think, likely to arise.

Under this aspect of affairs, we should strongly recommend those who have rich lead mines not to raise and sell any large quantity of ore at the current low prices: the wise course is, to reduce the sup-

ore at the current low prices; the wise course is, to reduce the sup-ply, and render the article more scarce, until a better demand exists.

In another column will be found a report of the half-yearly meeting of the Mining Company or Indiana, and, although by no means of so gratifying a character as former ones, yet there is nothing in it to cause discouragement, or inquietude, to the shareholders. The withholding the payment of the usual dividend has, no doubt, caused much regret, and, doubtless, to some small holders great inconvenience: but we cannot see, under all the circumstances, how the directors could have done otherwise than they have, without jeopardising the interests of the company, and risking the too great diminution of their working capital, the profits for the half-year having been only 2373. It must, in all cases, tend more to the security of a company, to keep up a reserve fund to meet any emergency which may arise, and thus avoid the disagreeable necessity of calls, or the expensive one of loans, than the declaration of exorbitant dividends, which there is no certainty of continuing. It will be seen, that the mines and machinery are in excellent working condition, and that the causes which have led to the great falling off in the profits from the Knockmahon Mines are likely to be removed.

In the too great excitement of speculation which at times comes over us, and in the consequent eagerness for money-making by now over us, and in the consequent eagerness for money-making by new mining setts, those who in such times embark their cash, with the sole object of getting an immediate premium, too often overlook one or two important facts:—1. That mines cannot be made without money.—2. Money cannot be raised without calls. It is upon this latter point we wish to make a few remarks. To suppose that a mine can be carried on upon credit, is absurd; and yet many share-holders, by their dilatoriness in paying up, seem to imagine that merchants do not want their bills paid, or the labourers their hire! When a set of adventurers form together to work a mine, they do it in the hone eventually of getting a return for their orther outers, but when a set of adventurers form together to work a mine, they do it in the bope eventually of getting a return for their outlay; but, to obtain this, work must be done, machinery erected, and various liabilities incurred, towards which each agrees to subscribe his quota; and, by no rule of equity or justice, can one adventurer be allowed to throw the owns of such liabilities upon his co-adventurers, and afterwards step in to reap the benefit of their exertions. Were such for a moment allowed, there would be an end to all good faith in mining—in fact, all confidence in the Cost-book System. We have heard, of late, and which is our reason for alinding to the subject, of promising mines crippied in means, because adventurers will not pay up their calls, and of shareholders, who, having forfoited their interests rather than pay costs whilst their mines were poor, commence actions to recover their shares now that the mines are tigh. We have heard, too, of the lord of a mine having sold his sett for a large sum of money, besides obtaining a lot of shares free, who has graciously allowed his co-adventurers to expend a large sum of money to prove his mine, but has steadily refused to pay his own calls. This, perhaps, will scarcely be credited; but, nevertheless, we are advised, upon the best authority, that such is the fact; and, as it is not likely to reflect much credit upon the county of Cornwall, we forbear, for the present, further mention of it, in hopes we shall, by his paying up, be saved the unpleasantness of personal allusion. We wish more particularly in this notice, to call upon adventurers in general to consider the necessity of contributing their share of cost incurred in prosecuting their undertakings, and not allow the cours of responsibility to rest upon managers and pursers alone. We have avoided all mention of individuals and mines; but a list is before us, to which we shall shortly refer, not only as regards arrears, but management.

A letter from our correspondent, Mr. J. Du La Hayr, of Liverpool, will be found in another column, in which he statea, that the observations made by Mr. Moyley, in a communication in last week's Journal, are founded in error, and gives a history of the proposed construction of a tubular bridge for crossing the Menai Straits. Whatever may have been the plan which Mr. G. Strefienson is accused of having taken from our correspondent, we believe Mr. Moyley is correct as to the length of bearing, and that it has never been for a moment c intemplated to have a centre pier erected in the bed of the river. This would, of course, reduce the amount of pressure to only one-fourth of that on the whole span, and alters the very basis of Mr. Moyley's calculations. We think some of Mr. De la Hayr's suggestions well worthy of consideration; and, as the subject is of much importance at the present time, we give the following results arrived at by Messrs. Fairmarin and Hodges at Holyhead and Conway. In the first experiments, the sectional area of the bottom plate being 22½ square inches, of the top 24 in, and the side 10 in., a weight of 58 tons produced a deflection of 3 2 in. This weight was allowed to remain till the following morning, and the increase of deflection was found to be inconsiderable. In the concluding experiments, it was determined to load the model bridge till it was broken, and the following table exhibits the deflection corresponding to each load: corresponding to each load :-

And, last, with 161,760 lbs., or a load equal to 672 tons, the tube broke. As much excitement exists in the public mind on the subject, a detailed statement of the length and weight of model, thickness of metal, mode of construction, &c., as it existed during the experiments of Messrs. Farbairn & Hodgkinson, would be highly resting and satisfactory.

The awful calamity at Kirkless-hall Colliery, accounts of which we have given in former Numbers, is still exciting the most lively interest in the coal districts, and the heart-rending details appear to have at length roused the dormant feelings of our legislators. After the Haswell explosion in 1844, the Risca in 1846, the great Jarrow calamity, and on other occasions, inquiries and legislative enactments have been promised; but no further steps taken. It is now, however; certain that something will be done—uot inquisitorial powers given to parties, as proposed by Mr. Duncoman's Bill, which he very wisely withdrew; but the making certain acts—such as using gunpowder, naked lights, and other proceedings, which are known to be the cause of nearly all the explosions—criminal; and compelling the adoption of a system by the owners, which shall ensure perfect ventilation. On Tuesday evening last, Mr. Hume obtained leave to bring in a bill, by which it is believed some such regulations will be enacted, as giving a little better security, until the proposed measure can be matured for the next session.

The remarks, which we felt it our duty to make on the merits, or rather demerits, of Mr. Duncoman's Bill, in the Journal of the 20th June, we are happy to say, are acquiesced in by numerous

The remarks, which we felt it our duty to make on the merits, or rather demerits, of Mr. Dunconne's Bill, in the Journal of the 26th June, we are happy to say, are acquiesced in by numerous parties connected with our collieries, among all classes, from the workman to the owner; and a letter from our respected correspondent, Mr. D. Musner, in another column, most ably bears out our views. Notwithstanding the assertions of a correspondent, who signs himself "Nemo," and who seems sadly galled at our observations, it is undeniable that perfect ventilation may be secured in all cases, and the lives of the workmen rendered as sale as under any other ordinarily dangerous employment—not by creating a host of needy and servile inspectors, but by rendering certain acts of commission criminal, and compelling, under the pain of heavy fines, the sinking shafts of proper diameter, preventing the apeast pit to be used as a drawing shaft, with other similar provisions. Sir George Gray had no objection to the bill, but would not pledge himself to any of its details, and we trust the hon. Member will frame a measure, which will meet the concurrence of all parties.

To return to the unfortunate accident at the Kirkless Colliery, we understand that the six bodies, which were left in the mine, have been recovered, and one more of the sufferers has died since our last publication, making 10 in all. This inquest was to be resumed last evening, and it is rumouved that Government intends sending down an agent to watch the proceedings;—the inquest on the body of Berry terminated on Thursday evening, when, from the evidence, it appeared that the bodies of the six men were found close to where they had been at work; the bottom of a safety-lump was also found, the top having been unscrewed from it; and it is conjectured that this was the cause of the accident. Mr. Romars elicited from the witnesses, that although the owners preferred not to sanction the use of gunpowder, the drills for making the blast-holes were sharpened by their smith,

In this day's MINING JOURNAL WIll be found a report of the quarterly meeting of the TRELEIGH MINING COMPANY; and, although the directors presented no report on the occasion, that of the agent, with previous ones, the statement of accounts, and the declaration of a dividend of 6s. per share, were perfectly satisfactory to the adventurers present. In our remarks on the proceedings of the meeting of the 4th of January last, we adverted to the impolicy of paying so small a dividend as 2s. 6d. per share, rather warmly pressed for by several shareholders, more particularly as the prospects were such as to enable the directors to all but promise a dividend of 5s. at such as to enable the directors to all but promise a dividend of 5s. at the following April meeting. The result proves the correctness of our remarks, and that the directors were perfectly right in withholding so trifling a dividend. At the April meeting a dividend of 6s. was made; at the one now alluded to, another of 6s. will be divided after the first Monday in August; and from the present highly-satisfactory state of appearances of the company's property, there is every reason to hope that the same amount of dividend, or even an increased one, will continue to be made at the quarterly meetings.

EXTRAORDINARY EFFECTS OF LIGHTNING.—During the m EXTRAORDEMANY EFFECTS OF LIGHTSHIE.—Buring the unusually severe thunder-storm on the moring of Wednesday last, an extraordinary circumstance occurred on one of the barges belonging to Mr. Hoppe, at Pigs' Quay, Blackfriars bridge. The barge was loaded with coal, containing as usual portions of iron pyrites; at some period during the storm, a current of electric fluid appears to have peased through the barge in an oblique direction; and, where it has come in contact with any of the pyrites or sulphuret of iron, the latter has become converted into green sulphate of iron, or green vitriol of commerce. The line where the electric duid traversed the coal, appeared charred, and Mr. Hoppe much regrets that the whole was not preserved in the state it was first found, to have given an opportunity for scientific investigation. Here is proof that the metallic sulphurets can be converted into a soluble metallic said by electricity, and may induce further experiments on the subject of anothering by that agent. A small piece of the extraordinary product may be seen at our effects. THE IRON TRADE OF AMERICA.

THE IRON TRADE OF AMERICA.

[From Patients of a Americancorn with a deal must to the Brownshill Journal |
From a pumplicif just issued by G. T. Cham is to the Brownshill Journal |
From a pumplicif just issued by G. T. Cham is to the Brownshill Journal |
From a pumplicif just issued by G. T. Cham is to the trade, by an artest statistical information, which may probably not be unimereding to some of your readers. This work, which is a brief history of the trade, by an artest advocate of the protection of ayesem, informs us that in 1768 there were adapted from Philadesphia, 822 tons of bar-fron at 260, per toon, and 481 tons of phy-iron advocate of the Schurykill Navigation Company in his ropert of the 4th May. By a raport prepared by erds of the Secretary Valley of the Schurykill Navigation Company in his ropert of the 4th May. By a raport prepared by erds of the Secretary at the Transition of the Schurykill Navigation Company in his ropert of the 4th May. By a raport prepared by erds of the Secretary of the Secr

WOOD PAVEMENT SUPE WOOD PATEMENT SCREENING.—Arrows tions of the present day, we have during the spection of a reciseless wheel for exchange, p. C.E., the galvanised from and wire rope receptance of this whiel are not obtained at any additions which detract from the degree tire is composed of numerous layers of galvanised then re-galvanised in the mean and which make no more noise than if running to a screen of the wheel is lined with an elastic unbetane, and thus neverta any noise fire the cox.

and 300-horse power. The Curadoc is to have Mears. Seaward and Capel's direct acting engines—the company's nactor. Sears. Mandalay, Sons, and Field's double cylinder engines. We look he ward with much interest to the trial of speed with these vessels.

The Express, new iron steam-packet, of 400 time and 160 horse-power, the first of a series building by Mesers. Dischburg and Co. for the South Western Steam Navigation Company, made her final trial-trip, provious to being handed over to her owners, on Tuesday last; there was a minnerous party on board, which she took to the Nore and hash-making on her way helf-a-dosen runs at the measured mile in Long Reach, averaging a speed of 17s statute miles through the water; the wheel is about 19 set from outside of float, the stroke B.t. 6 in., and made 42 to 43 per minute, throught of water 6 ft. 6 in.; the passed the fastest river boats in fine style. The Express is to be placed on her station in a few days, and the other vessels are first progressing. The whole of the machinery for those packets are supplied by Mesers. Mandalay and Co., and are their patented annutar cylinder engine, which appears, if we may judge by the New Brighton, "bread and baster" heute, to be equally efficient with the most perfect oscillating engines.

the go eff part to Trans we also

PROGRESS OF FRENCH MINING INDUSTRY.

A few days ago, the contracts for the supply of considerable quantities of English and French coal to the Marine Department took place, pursuant to notice. The first batch, for which offers were received, was for 10,000,000 kils of English coal (10,000 French tons, or about the sam English measure), was taken by Mr. G. Jackson, at 459,000 fr. (18,360%), to be delivered at Algiers. The other persons who offered were Messra J. Chapman and Co., at 513,000 fr.; Messra. Mallet Frères, at 514,000 fr.; M. Masurier, of Havre, at 514,000 fr.; and Mr. Copter, of Dunkirk, for to be delivered at Algiers. The other persons who offered were Mesers.

J. Chapman and Co., as 513,000 fr.; Mesers. Malles Frères, at 514,000 fr.;

M. Masurier, of Havre, a 514,000 fr.; and Mr. Copier, of Dunkirk, for 492,000 ft. Offers were also received for the supply of 3,000,000 kils. of 182,000 ft. Offers were also received for the supply of 3,000,000 kils. of 182,000 ft. Offers were also received for the supply of 3,000,000 kils. of 182,000 ft. Offers were also received for the supply of 3,000,000 fr., from Mesers Gardelet and Co., of Bordeaux, and M. Lecalet, of the same place. M. Hautier having made the lowest offer, obtained the commerc. The coal will have to be delivered at Tahiti and the Marquesse falands. For a upply of French coal, delivered for Algiers, M. O. Dulrue, of Dunkirk, demanded 54 fr. per ton; and the Grand' Combe Company, only 46½ ft.; the latter, accordingly, secured the contract. It will be observed, these the contract for the hatter of the two batches of English coal, fell into the hands of a Frenchman. I should have thought that some English house would have contrived to secure it; for there can be an doubt that Englishment would have contrived to secure it; for there can be an doubt that Englishmen would have contrived to secure it; for there can be an doubt that Englishmen would have contrived to secure it; for there can be an doubt that Englishmen would have contrived to secure it; for the season of the contribution of the contrib

versal good either. Exactly the answer that was to be expected from a juste milieu Minister!

Apropos of this excellent Minister, he has got himself into an awkward hobble, by its being proved that, during the time he has been Minister, the mercantile establishment (a cloth manufactory) which he founded, and of which he is the chief, under the name of "Cunin-Gridaine" (father and sons), has had large quantities of railway shares awarded; to it. This fact is of 10,000 times greater importance in this country, than it would be for a Minister of England to hold railway shares; for here the railways are awarded to companies by Ministers, and there is always more or less favour shown to the companies which succeed in obtaining them—so that in giving shares to the firm of Cunin-Gridaine (that Canin-Gridaine (the father) would use his influence, as Minister of Commerce, in their behalf. The worthy man has tried to get out of the sarape, by pretending that he has nothing to do with the transactions of his house in shares—that his interest is only in the manufacture of cloth—but the excuse is such sheer iwaddle, that everybody laughs at it.

A Committee of the Chamber of Deputies has reported in favour of some rather considerable concessions being made to the Companies of the Lyons and Avignon Railways, which made bad bargains in taking the lines on the conditions laid down in the law. Among the measures, to which it is proposed to bind the companies in return for the concessions, is one to the effect, that the Avignon line shall be obliged to make a contract for the purchase of 6,000,000 rails within two months of the passing of the new bill. What can be the meaning of such a condition as that? Can it mean anything else than to put money in the purces of the ironmasters? Does it not hold out to thom a direct prevaium to the mean of the contract for the other of the meanin

this moment very plentiful; and they draw therefrom the conclusion, that the partisans of free trade, who think it necessary for the full success of our metallurgic establishments, that cast-iron from England and Scotland should be allowed to be imported duty free, or, at least, at a very moderate one, are decidedly in the wrong. I am not able to dispute that there may

rate one, are decidedly in the wrong. I am not able to dispute that there may be at this moment an abundance of cast-iron for melting purposes; but, if there be, it is a mere accidental circumstance, and by no means proves that Belgium has enough cast-iron of her own to be able to dispense with foreign supplies. It it were not so, why should the majority of the metallurgic establishments be clamorous for the abolition of duties which prevent them from purchasing all the cast-iron they want in the British markets? The Protectionists pretend that the recent and still progressing increase of metallurgic exportations, is a proof that Belgium has no need to alter her tariff. But they shut their eyes to the fact, that an alteration of the tariff would increase the exportations still more. And yet nothing can be plainer than that simple truth—for it is clear that the cheaper my article is, the greater is the sale it obtains; and the free introduction of foreign cast-iron would enable Belgium to manufacture, and consequently sell, a great many of her products a good deal cheaper.—Brussele, Tuesday.

MINING IN CORNWALL

PRODUCE OF THE PRINCIPAL CORNISH COPPER MINES, FOR THE QUARTED ENDED JUNE 24, 1847.

Ticketings. Tons.

Mines. Devon Great Consols	Ticke		Tons.			un	t.	
Devon Great Consols	*****		2937		18554	15	0	
Carn Brea			2567		15927	17	6	
Great Consols			3011			0	0	
Great Consols Great United Wheal Seton Fowey Consols South Caradon Par Consols	2		1588		15399 11064	2	0	
Fowey Consols	6		1755		10419	4	0	
South Caradon	3		1191		8467	6	0	
Par Consols	6	*****	1265	*****	7995	16	6	
Wheals Prosper and Friendship	***** 4	*****	1089	*****		10	6	
West Caradon		*****	1051	*****	7253 6321	3 4	6	
North Roskear	1	*****	1078		6231	14	6	
Strey Park and Cambarne Vont	9	******	1126		6197	16	6	
North Roskear East Wheal Crofty and Longclose. Stray Park and Camborne Vean . Treviskey and Barrier	4	*****	841		6139	3	0	
Tincroft	8	*****	1858	*****		12	6	
South Wheal Francis	3	*****	516		5794	9	6	
Tresavean	3	******	1290		5525	8	6	
Treleigh	***** 0		661		4789 3566	16	6	
Dolcoath United Hills			844			18	0	
Wheel Sictors	3		447	******	3062	2	6	
Wheal Sisters Perran St. George, Bolena, & W. Le	sistere 2		761		3023	6	6	
Wheal Prosper	2	*****	571			16	6	
North Poole	3	******	587		2969	0	0	
Wheal Bucketta	3		451		2141	7	0	
Grambler and St. Aubyn	2		369		1993 1709	8	0	
Wheel Tremayne	0	** ****	275		1642	18	0	
Poldice	1	******	853	*****	1577	17	6	
Trethellan	2	December	470		1495 1 1495	18	0	
Holmbush	3		238			4	6	
Condurrow	2	******	390			18	6	
Lanivet Consols	3		300	*****		12	6	1
Alfred Consols	1	*****	418	*****		17	6	
Wheat Filer	9	******	182		1132	2	0	
Levant	1	A	121		1059	5	0	
Charlestown United	1	*****	230			15	0	
Wheal Rodney	2	*****	230			14	6	
Marke Valley	2		250	*****	886	9	6	
Wheal Jewel	2	*****	156		781 1	8	6	
Wheat Chmord			178		733	4	0	
South Roskpar	100.1			N.V.	727	7	0	
Andrew and Nangiles	1		130		716 1	8	0	
West Wheal Jewel	1	*****	165		670	0		
Wheal Virgin	2	*****	150			5	0	
East Seion	2		00			3	6	V
Past Pool	2		158		506 1	8	6	27
Wheal Agar	2		116		596 1 540 1	8	6	
Tretoll	3		122			4	6	
Wheal Ruby	3		57			3	0	
West Whenl Treasury	3	*****	120			9	6	10
Rotallack	1	4	55		438	5	ő	
North Wheal Basset	7. 2	direct	92		420 1	6	0	
Trenew Consols	1	*****	62			6	0	
Wheal Harriet	1		102		360	4	6	
Wellington Mines	2		53			6	0	
Redruth Consols	2		76			8	0	
Care Perran		*****	56			7	6	
Wheal Vyvyan	1	*****	67			8	6	
Wheal Brewer	1		104 .		241 1	4	0	
North Downs	1		43 .		233 I	7	6	
Wheal Busy	2		58 .		223		0	
Wheel Waiden			75 .		216	0	0	
South Tolous	1 200		32 .		166	8	0	
East Relistiati	1				153		6	
Budniek	1		24 .	S	138 1	2	0	
Lewis Mines	1		13 .		109 1	7	0	
Wheal Gorland			14		91 1		0	
East Crowndale		** ****	10 .		91 4		6	
North Wheel Abraham			25 .		79 10		0	
West Basset			15 .		77 15	2	6	
Wheal Sectors, Bolena, & W. Le Wheal Progager Wheal Progager Wheal Progager Wheal Compose Wheal Compose Wheal Comfort Wheal Elies Lavant Charlestown United Wheal Comfort Wheal Adare Wheal Adare Wheal Adare Wheal Agar Tretool Wheal Jagar Tretool Wheal Jagar Tretool Wheal Agar Tretool Wheal Agar Tretool Wheal Marriet Wheal Roby West Wheal Treasury Hanson Botallack North Wheal Basset Tremow Consols Wheal Marriet Wellington Mines Redruth Consols West Trethellan Carn Perran Wheal Basy Wheal Marriet Wellington Mines Redruth Consols West Trethellan Carn Perran Wheal Beey Wheal Jane Wheal Beey Wheal Jane Wheal Gordand Ease Relisties Budniet Lewis Mines Wheal Hona Wh	1		12 .		72 10	3	O.	
Wheal Prudence	1		13 .		68 4	5 4	0	
Wheal Catherine	1				66 16	1/4	6	
Wheel Thion	***				65 15		0	
Wheal Burrow	230	100 Mm	7 :		52 10		0	4
Hallenbeagle			124		81 (1.00	6	
Rose-in-Vale	1	*****	6		30 3	3 4	0	
Wheal Henry Wheat Prudence Wheat Catherine Godolphin Wheat Union Wheat Burrow Hallenboagis Rose-in-Vale Wheat Caroline East Crimis Nanterrow Consols Wheat Buller Penstruthal	1		9 .	1177	28 7	-	0	
East Crinnis	1		. 0 .		25 2		6	
Wheal Buller			7 .		24 18		6	1
Penstruthal	0.00		4		19 5		0	5 6
Wheal Kayle			6 .	****	15 3	1	0	
Wheal Kayle	t		3		11 18	-	9	
Pembroke	1		1.		9.10	1	3	(2)
a privile topolytics of the english	10.50	. July	875	I	000		1	31
Total	34	blogs	010	£204,	662 4	1	1	119

The following is the quantity of Copper Ore, and Amount of Money, from the principal

	Mines.			Votes	eigton s	Tons.	Amount.				
	Berehaven										
- 1	Knockmahon					1072	** ** ** **	7535	9	6	5.5
	Holyford										
31	Ballymurtagh	*******			*******	290		1063	16	6	31
	Lackamore	40.4			********	28		317	16	0	
3	a Chow sale	nemt 1	the e		WARLE.		161.9		-	-	600

PROGRESS OF MINING IN FRANCE.—The French Government has for son time directed its particular attention to the mineral resources of the differe departments (a detailed account of which has already appeared in this Journal to mining enterprise, not on mal), and giving the greatest encouragement to mining enterprise, not only in France and Corsica, but also in their possessions in Algeria, under the direction of competent engineers. It appears, that a company has been recently formed at Belfort (Upper Rhine), to resume the working of the ancient silver, copper, and lead mines of Giromagny. These celebrated mines, which had been extensively explored for more than three centuries by the Emperors of Germany, were presented by Louis the XIV. to his favourite Minister the Cardinal Algeria, and worked by that statesman's family till 1791; at which period, in consequence of the Revolution, they were restored to the State, Since that time, numerous propositions have been made to resume their working; and, by a decree of the year 4, it was ordered that they should be proceeded with, on account of the Government, who resolved on easiablishing a Practical School of Minersat Giromagny, being the most favourable locality for this object; but the intestine disturbances, and the war of the Rapublic and empire, prevented the realization of these projects. The question was again broughst forward in 1809 and 1826, and each time adjuarated by some circumstance, which prevented a concession being granted; and it was only in 1845 that these difficulties were overcome, and the grant allowed. The present company will not only have the adventage of the former works, but he onabled, at a very trifling expense, to explore the numerous lodes, which this rich minered district possesses. They have already established framaces for treating the copper, lead, silver (the galenas are all, more or less argentiferous), and grey copper ore, which has been obtained from two or three lodes, are very rich, yielding from 700 to 1000 grammers and the year view, yielding from 700 to 1000 grammers and the year view of the content of the co THE METAL TRADE-DARTMOOR CONSOLS MINE.

THE METAL TRADE—DARTMOOR CONSOLS MINE.

The Morning Advertises, of Wednesday last, research at some length on the annual returns of the imports and exports of motals, which we published in the Missay Journal of the 86th June. The writer observes—By this return we have, but for what purpose required we know set, a particular assessment of all the exports and imports of these very relaable metals—copper, the, sinc, see leas—in the year ending at a January. If no other use can be made of this document, headine comparing its quantities with the amounts of duties received at the Oustom House, it may serve to show the state of our strings operations; and, perhaps, induce men of enterprise to redouble their exertions for the discovery of the mineral wealth of their own country; and as rander as less dependent upon fereign supplies. It does not seem at all probable, that the quantities of ore of each of these metals obtained in Great Britain, bear any noticeable proportion to those which remain, often ansuspected, in the bowels of the earth. Comwall, for instance, is known to abound meaper—and Corewall and Devonshire, particektry the trace called Dartmoor, in tin—and yet valuable as each of these is in semmerce, arts, and manufactures, the products of the mines seem inconsiderable. Mr. McCulloch states, that the quantity of METALLECOPPER yielded by the ore is generally 8 or 9 feer cent. If the ore be commonly no reher than this, it is far inferior to some kinds of foreign ove. Thus, Italian, Caban, and Chillan, yield from 15 to 20 per cent. J. Datch, Spanish, Italian, and Artsun, Guban, and Chillan, yield from 15 to 20 per cent. J. Datch, Spanish, Italian, and Artsun, Guban, Sorth American, Chillan, and Peruvian oves, are found which yield more than 20 per cent. These facts may possibly account for the importation of upwards of 50,944 tons, paying duties to the amount of 34,056. Much has been said of the product of one were imported within the year. From New South Wales, 734 bunq and from Yan Diemen's Land, 29 tons. Ac

imming copper and iron, forming pewter and solder, in enamelling, and in alivering glass, it is axtansively employed in dyesing and calico-printing. In solution with murialic aris.

If British Correx ore yield only 8 or 9 per cent. of metal, while some descriptions of foreign are so rich, as to hold upwards of 20 per cent., there may possibly be little independent to extend researches for the discovery of new mines. But no such eligibility appears to apply to tin, which, if more abundantly produced, would enter very largely into consumption for the manufacture of a great variety of utensity, to the advantage of the health of the people; and, morouver, it would become a far more considerable article of profitable export. Very recently Dr. Ryan, the estebrated chemical lecturer at the Polytechnic, analysed some tin over, procured from a lode in the Dairyson Cosson. Mises, and found it to yield the large amount of 34 per cent. of metallic tin. This productive mine, it appears, was worked some years previous to 1845; at a return of upwards of 30,0004; but the operations were suspended, in consequence of some difficulties occurring with the lord of the manor about the renewal of the leave.

The "soft," as it is technically termed, is very extensive, being three miles in longth and two in width. The differences with the lord of the manor appear to have been adjusted about the latter such of 1450s, and under a favourable prospects, burging from Dr. Ryan's analysis, and the report of Mr. John Paull, of Tavistock, who regards the produced as the best grain the in Devou, and the market value to be full 161, per ton more that that of common the. We have been the shore particular in noticing this milne, on account of the superior quality of the yield of its ore, and the reasonable estimate of the grantity contained in the time. It appears to no to life its refer to afford a considerable second to our foreign exports, as well as to advance several of our arise, from the excession to our foreign exports, as well as to advanc

THE TIN BOUNDS QUESTION.

Court of Queen's Bench.—July 7.

Rosers v. Brencon.—This was an action of trespass and trover. The declaration contained two counts—in the first of which the plaintiff complained of traving been unlawfully disturbed in the passession of certain land, known by metes and bornds; and, in the second, he complained that the defendant had carried away and converted to his own use tained two counts—in the first of which the plaintiff complained of having been unlawfully disturbed in the possession of certain land, known by metes and bounds; and, in the second, he complained that the defendant had carried away and converted to his own use certain ores belonging to the plaintiff. The defendant justified the taking, as the captain of the Galliana Mine, which was a mine worked by the Whoal Ruby adventurers, under a lease from the Duke of Cornwall was the lord. The object of the action was to assert a right of what is technically known in Cornwall as the right of "boundage," and which appears to be this:—If a person is an inhabitant of a manor where mines are believed to exist, and the lord of the manor (the covner of the soil) does not work the mines; the inhabitant may mark out a "bound"—a certain space, such as he believes himself capable of working, and such as he intends to work for his own benefit—and within such bounds all the ore found there belongs to him. The plaintiff had dones in his instance; but if did not appear that in fact he had worked, the nines; yet he contended, that the land having been once bounded out no person—and even the lord of the manor himself—could deprive him of his right to the ore found within the limits of such boundage, at the trial, and evidence was given on both sides respecting it. In the endythe jury seturned a verdicing rise had in the supposed custom formed the subject of dispute at the trial, and evidence was given on both sides respecting it. In the endythe jury seturned a verdicing rise plaintiff, but heave was given to move to onter a nonauit, the then solicitor-General (Sir William Follett) obtained a rule to set saide this worder, and enter a nonauit, or the law would not be manor to set saide this worder, and there is on possess the right a degree of liberty which it refused to the owner of the collection of possess the right a degree of liberty which it refused to the owner of the colles he leaded the right of the lating to be taken away if he

calars respecting the mineral resources of Malacca; the following additional inform is from an American gentleman, who, in a landable desire to attract capital, reprechairs respecting the minerar resources or standards; the contension antimatal information is from an American gentleman, who, in a landable desire to attract explicit, represents Malacca as a great tropical garden, in which the circumstance of the exuberance of natural advantages being so great as to leave nothing to viais for, is the only drawback, goes on to observe as follows, regarding its miner of abundance:—"The stream tin of the pentingular way to be a supersection of the expensive process of mining, properly so called. This stanniferous region is es great, that dishough the best long been wreught, not a single walley has been throughly worked, and not one valley in a thousand has probably been fouched. The stream tin of Great Britain sufficed for the wants of centuries; and even with the vasily increased demand of the present age, we cannot profit to time when the alluvial tin of a region so many times greater than the stanniferous tracts of Great Britain will be exhausted. But it may happen, that veius exist in the rocks, of such extent, and so near time surface, as to admit of their being profitably worked even now. In this age of enterprise and speculation, it would naturally excite extreme surprise, and even therefullity, that a Britain colony on the high road of eastern trads should exist, forming an integral geological portion of the largest and richest tin region in the world, and tiself freely yielding or to every one who, with a common hoe, chooses to dig for it, and which yet has then untered the common hoe chooses for dig for it, and which yet has been utterly neglected by the numing capitalists of England. The cause we believe to be, that there is much hose practical knowledge to England. The cause we believe to be, that there is much case in the surface of the world. It has been the fashion to look apon the straits extinenests, morely as points of trade, and the actilities which their possession adors for the application of capital and skill to the neminsule, with all its agricultural and

nave been entirely overlooked."

JOINT STOCK COMPANIES.—The Joint Stock Companies (No. 2) Hill (just prepared and

Original Correspondence.

GOVERNMENT INSPECTORS.

GOVERNMENT INSPECTORS.

Six,—The late railway accidents have scattered, and justly so, great distress and alarm; but, from the forehead of this adversity, we must endeavour to extract the precious jewel; nothing can be lost which may serve us to establish a TRUTH. Your talented correspondents and the public mow feel the invincible fact that, in Government inspectors, there is no infallibility. Inspection of railroads is of the simplest kind, and the most justifiable for the warrant of such public security; but sees here if fallibility. How irrevocable a blow has been then received against that novelty—the inspection of private mines; and it occurs at that fortunate time when the hill of Mr. Thomas Duncombe has done all that is possible to heap ridicule on absurdity. No greater abortion—and that is saying much—was ever brought before a popular assembly. One great object it has effected—exposing the utter ignorance of the concecters of this would-be-styled reform. Mr. Strutit's late railway affair has 10,000 per cent, the advantage of this curious ingenuity. I have stated, it may statistically be proved, the casualities in mines are less proportionally, than in any dangerous calling; were it not that of the accidents in mines there is one cause not totally dependent on the habits of the men, we had never been troubled by this agitation. How would it be met were a board-a-ship inspection forced upon the navy, where captains must submit to parasites, and at their word put-about the helm in a storm, or haul-to at an inspector's pleasure? If we cannot perform our own duty, who else can? In the ventilation of a mine, something does depend upon the masters, but very far from all. Carelessness is the principal evil; and to follow the analogy, the crew of an extensive mine cannot be perpetually in the commander's eye. The dreams of borough Members are not experience. The case named lately by Mr. Darlington, is a sample of what we are most familiar with—falls of roof, or coal, through hardihood. These, year by year, destr Six,—The late railway accidents have scattered, and justly so, great distress and alarm; but, from the forehead of this adversity, we must en-

MR, GIBBONS'S VENTILATION, &c.

Mr. GIBBONS'S VENTILATION, &c.

Str.—Nothing can be more repulsive to the well-informed mind than the constant, reiterated, and incessant tirade which a correspondent of yours directs against science and its members. Frankly, Mr. Editor, I am disguated. What is science? The knowledge of an enlightened mind in operation, and practically employed and applied. If that individual, whose sneers are beneath contempt, has not been blessed with the benefit of education, and owes his escape to the peradventure of fortuity, what right has he to assail those who are providentially more highly favoured, and who work by the light of the sun, and not by the occasional and ominous meteoric glare of the Will-o'-wisp, which may lure and lead to destruction? He, at least, can be no more a judge in this matter, than the blind man in forming an estimate of the irridescent beauties and glories of the rainbow. It reminds me of the fox in the fable, who, having lost his tail in a trap, counselled his fellows to get rid of theirs. I am sure that your correspondent, Mr. Henry Johnson, who seems "to think more highly" of himself "than he ought to think," is very much in the condition of the knat on the chariot wheel, when it exclaimed, in it puny feebblenes, "What a dust do I raise." The motive may well be suspected when the attack is personal; but I believe his furious onset is as unfelt as the pelting of the hail storm by the Monument, at London-bridge.

The "safety lump" ought to be the occasional auxiliary, not the constant companion, of the miner. Where it is in incessant requisition, the miner breathes an atmosphere fatally destructive to health. We have had more than enough of lamps. Let us look at something higher, and probe he system to the quick—it is rotten at the core. Entre nous, I consel you, as a friend, not to become the cat's-paw of any individual lamp—Ponderibus hisrate series—and they will find their proper level. Let the axe be laid at once to the root of the upas tree.

I honestly confess, that I am the friend and a stoppings, which amount in their foul ensemble to an extinguisher. Multiplicity of this merely—may even aggravate the evil, by producing conflicting currents, which should invariably be allowed to tend unimpeded in one uniform direction—this is a part, and an important section, too, of Mr. Gibbons's arrangement. If the upcast and downcast shafts be of precisely the same depth and same diameter, there can be, exteris paribus, no ventilation whatevax, because the two atmospheric columns, resting on the same basis or plane, matually counterpoise each other. What is termed the "downcast shaft" may, on any contingency, become the "upcast," as far as concerns the transit of the air current. What wonder, then, that, in such a case, the pits should occasionally "light?" The phenomena are entirely equivocal, and dependent on the mere fortuity of meteoric influences, such as storms, and other atmospheric disturbances. When we enlist the auxiliaries of mechanical contrivance, or invoke the aid of fire, the case is essentially altered; but in their natural condition, the question is a thing of "chance medley." Let one of these columns be extended in its lengthey a chimney, and the case is entirely changed—for, chroumstances being otherwise the same, that necessarily becomes the upcast shaft for the account and escape of the air, and the interference of meteoric influences will be, in a great measure, it not entirely, paralyzed. Surely, it will not be contended that a chimney may be dispensed with in the case of the factory, or in our domiciles? I, at least, always took it for granted, that it was an essential and necessary adjunct to the farmace, or the fire-place. The value of the chimney would, no doubt, be infinitely extended by the rightly-arranged superaddition of fire, and Mr. Gibbons by no means ex-

ciudes its aid, though he would assign it its proper place. It has been too often applied injudiciously, and out of place, and been mischievous, rather than otherwise. It would ill become me to enter into detail, with their subordinate relations, on Mr. Gibbons's method of working the coal-field. It cannot be in better hands. I, therefore, leave the question at rest on its own intrinsic merits, because I believe them to be based on solid grounds. When a suvan once proposed his friend for admission as an academician, all exclaimed, as by common consent, "Qu' a 'il ecrit?" The savan calmiy replied—"Messicurs, il a' a rein ecrit; mais il a becaucoup fait." If he has written but little, Mr. Gibbons has written to the purpose, and done much.—J. Murray: Portland-place, Hull, July 3.

VENTILATION OF MINES.

VENTILATION OF MINES.

Jegs and the called upon by your correspondent, "Black Diamond," for further information respecting the system on which I propose to construct the rarefying furnace for ventilation with the flue, as proposed in my sketch in the Journal on the 8th May,—I have to remark, that the furnaces used at present to effect that object might, no doubt, be greatly improved; but the one I should consider the most effective for that purpose, from known laws of Nature, is shown in the accompanying diagram: it will be observed, that not only the heat of the furnace is brought into action, but an additional heat is occasioned by a jet of steam, which is passed from the boiler into the chimney.

DESCRIPTION.

I am not aware that any suggestion of the kind has ever been laid before the public; and, therefore, I leave it for the consideration of the "Black Diamond," and others of your readers interested in the subject. I also stand charged by "Obadiah," with merely advancing what has been in use in the shallow works in Shropshire for the last 100 years: now, Sir, I hope our friend will state, through your Journal, where there is one single shaft in the shallow works, at or near Lawley Bank, which has a flue carried down parallel with the shaft; or where there is any thickgoal that requires top ventilation in that part of Shropshire. My youthful and limited experience remains to be further tested.

London, July 7.

top ventilation in that part of Shropshire. My youthful and limited experience remains to be further tested.

London, July 7.

VENTILATION—Mr. G. SHEPHERD, C.E., AND Mr. T. DEAKIN.

Sur.—Your correspondent, Mr. Deakin, wishes me to give him some information respecting the various methods of ventilation and mining on the continent. All the coal-works that have come under my notice, are on a scale too insignificant to comment upon. Our cominental neighbours would be but too glad to have the opportunity of attempting improvements on the English system of ventilation. So far as my knowledge extends as to the management of the gold, quicksilver, and salt mines, I will most willingly accommodote that gentlerian: those works are chiefly in the hands of the respective Governments. The precantionary measures taken by Austria and other foreign Governments, relative to the appointment of suitable persons for their management, are highly creditable to them. Although the Austrian Government have very few mines, they have mining institutions at the mines, where the pupil pursues his studies practically, and advances in rank similar to a military man. Mr. Deakin must know, that France also has L'Ecol des Mines, A Paris. A person that can onlyread and write a little, in never trusted with the charge of workmen (el a Mr. Darlington's principles), but persons who have received an education suitable to the duties they have to operform, as regards the laws of Nature's elements they have to perform, as regards the laws of Nature's elements they have to perform, as regards the laws of Nature's elements they have to entend with, and also practical mining, as laid down in their instructions by the superior officials of the Government. I am well aware that no exponse is spared in order to render the work asia and even comfortable for the workmen. The wages of the minors employed are not more than from 8d. to its product of the dealers of the coalmaster and the product of the dealers of the dealers of the coalmaster and the coalmaster a VENTILATION-MR. G. SHEPHERD, C.E., AND MR. T. DEAKIN

ON THE CALCINATION OF IRON ORES.

ON THE CALCINATION OF IRON ORES.

Sin,—I take the liberty of intruding a little upon your space with a few observations on the calcination of iron ores—an operation which, in my opinion, has not been regarded hitherto with sufficient attention: I think it must be admitted that it is an important preparation for smelting. A question arises, to what extent should it be carried? Another then suggests itself, can it be carried too far? Upon these points I give my opinions; but I must beg it to be understood, that I do not advance them in any dictatorial spirit, but with the view of having them refuted, if erroneous. Speaking of the common iron stones, the siliceous and argillaceous orces of South Wales, I consider they should be burnt to a bright red, or a pink or yellowish red, according to the variety of the stone, and that the mass should be changed in colour throughout, but that fusion should be carefully guarded against. When ores are allowed to run together in calcining, it strikes me that it must impart a tendency to the iron of the ore to form cinder in the furnace, or to the iron itself something of the properties of cinder pig-iron—great fusibility and brittleness. I refrain from hazarding any opinion as to the causes which influence the variations in quality of pig or cast-iron. A long and interesting correspondence has appeared lately in your columns upon this subject, which gave me great pleasure; still, I must confess, it has left a feeling of disappointment—much science, research, and ingenuity displayed, but the ultimatum still inconclusive and unsatisfactory. In the ordinary modes of calcining ore, or mine, in kilns or heaps upon the ground, the operation must be affected by every change of wind and weather—at one time calm, at another a gale of wind blowing; while every change of wind must have some influence. Under such circumstances, it is impossible that the operation can go on with any regularity, or be at all under control. I suggested, some time since, the use of Kymer and Leighton's patent

COPPER WORKS-NEW BRANCH OF MANUFACTURE.

Sin,—I have been much surprised that chemists have never attempted to convert the smoke from the copper works here into some saleable commodity. It looked to me something like a nuisance; but the inhabitants say it is no such thing—they rejoice in it, and say the neighbourhood enjoys a state of the most perfect salubrity. I take advantage of the opportunity your columns afford, to suggest a new branch of manufacture connected with copper smelting. Steam, applied to a metallic sulphuret, produces ammonia. At present, a large quantity of sulphurous acid is evolved from the copper works—those two combined form sulphate of ammonia. I think a good chemist might convert the former into the latter, which is a valuable salt, and may be very extensively used in the arts and manufactures. Instead of treating the whole of the raw ore with air for calcining, part should be done with steam to attain the object I have in view. The rest will be merely a matter of arrangement.—JUPTER AMMON.

Sucansea, July 5.

THE IRON TUNNEL ACROSS THE MENAI STRAFTS.

THE IRON TUNNEL ACROSS THE MENAI STRAITS.

"Voyes is mon secret west pas on bonnes mains."—Desproyeeurs.

RESPECTED FRIEND,—I suppose that T. Motley has been misinformed in respect to the dimensions of the Menai Straits Tunnel, and also as to the form; the tunnel is not 30 ft. in diameter, but only 15 ft.—that is, only for a single line of railway; but the whole of the details have never been laid before the public. Perhaps the following statement of facts may not prove uninteresting to the readers of the Mining Journal, as they may throw some light on the subject. In the summer of 1844, a copy of my plan for passing rivers and channels by means of wrought-iron tunnels, was placed in the hands of G. Stephenson; the papers were accompanied by a request, sanctioned by some highly-respectable parties of Liverpool, that he would pronounce his opinion on the merits of the invention; but, for some reason known to the "eminent engineer," I received no answer whatever, nor were the plans returned, and, of course, I concluded that his engineer-ship did not think it worth while to trouble himself about the inventions of others, and that I must apply for advice in another quarter. Bit menths after this, G. S. proposed to construct a wrought-iron tunnel over the Bland Straits, the table was described almost word for word as in my plan, which was in his possession; there was, however, one modification—It was to be suspended above the waker. The "emment on gineer" had not evidently los sight of the words which I had used in explaining the possibility of modifying the inventions for different iocalities; they were as follows:—"I do not mean tosay, that this plan is perfect in its present state—it is, undoubsedly, susceptible of numerous modifications, but it may, at least, from a step_Eag-stome to a pase which it will be possible to carry out." After the tube had been flaied out from the water, levet a paper to the Editors of the Licerpool Mercury, which I affervatia sent to 6, 8, and in which were the following lines:—"One p form of a double-barrelled gun, the rails be tube, which was to be of iron one-streenth not to be placed inside, as originally propose are to be the functions of the upper tube, whis to be used as a tent to keep off the sea-breeze vernts, a Frenchman, who would hear these fure? I do not know if G. S. intends to sen Oxford, to inform the members that "a chan what"

peculiar attention. I to peculiar attention. I to peculiar attention. I to peculiar attention of the is over it. It should be of light over. Over this I would for thickness, and over that supplies the planks being laid across, and would by the rails. It will be only the peculiar applies on or applied on or

had plan irrest the life in the payment they now, short was, Parses in the kind before it is a calan before it was force if was from a lorent from a mineration manual transfer in the land in the lan

thussel can bear the weight of the trains, it will, with this platform, bear the concussion also, without injuring the structure. Of course, the cost of the platform will not be very triffice—a few thousand pounds at least—but this will be very little, compared to the cost of constructing another tunnel, should the first the destroyed; and that some disso-tons sections will occur, coon or late, if the rails are laid on the tron platform, may be predicted; and as G. S. is not above making use of the inventions of others, he can have use bother exportunity. This modification may be of essential service to higned, and to the public, and, possibly, few persons will make it their business to inquice whe is the inventor. I would propose to construct a similar platform, on every tron bridge, whather constructed of wrought-iron, or with cast-iron griders. I am confident this had such a platform been placed on the Dee Bridge, the ginders would not have given what, but the constructed of wrought-iron, or with cast-iron griders. I am confident that had such a platform been placed on the Dee Bridge, the ginders would not have given way, for cast-iron can hear a great weight; wrought-iron is, of course, preferable, and it is to be hoped that we shall see the principle of bridges building invented by T. Motley adopted—the great recommendation of the principle being their comparative lightness; but we are not be expect the railway companies to demolish all the cast-iron bridges throughout the country—consequently, what is requisite, is to adopt precantion saying throughout the country—consequently, what is requisite, is to adopt precantions using the proposible to appeared the India-rubber by a chesper material—such as cork, or even tar and awdrust. Another plan would be to fisten a large number of strong springs, nearly touching one another, between the two timber platforms; but this would be hardly less exponsive than India-rubber on the top of the places, of the material would be to place a thick layer of India-rubber on t

STEAM-BOILERS-RAILWAY BREAKS-THE MENAI TUNNEL.

STEAM-BOILERS—RAILWAY BREAKS—THE MENAI TUNNEL. Sir.,—I am obliged to friend "Obadiah" for proving what I had stated on the 1st ult., respecting the use of air in conjunction with steam, but am stiff doubtful of its economy when applied to condensing engines, having always found the presence of air a great drawback to their power. I beg always found the presence of air a great drawback to their power. I beg always found the presence of air a great drawback to their power. I beg always found the presence of my integrity against the unfounded attack of Mr. Padley, who I suppose to be a convert to the science of mesmerism, and, perhaps, considers me as under its influence, up to the point of clairvoyance; for I truly affirm, that I never directly, or indidirectly, had any communication with either Mr. Brunel, on the subject of breaks, or with Mr. Waterhouse, on wheels and axles; and yet he may have seen, that I proposed to Mr. Bessemer, on the 2d of June, a method of gearing them up, precisely similar to that for which Mr. Waterhouse has obtained a patent, of which I positively knew nothing, till I saw a notice of it in your Journal of the 3d inst. Now, as regards the above patent, I beg to inform Mr. W., that he has taken up a well-tried subject, which has answered romarkably well for many years—having witnessed its application so early as the year 1804 in full operation at the Shotts-Iron-Works, Lanarkshire, at that time under the management of Mr. John Baird; and the lack time I was there was in the early part of the iron tun-

Baird; and the last time I was there was in the early part of 1810, when they were still in use, and much approved of.

Mr. Motley gives good reasons for doubting the safety of the iron tunnel intended for the Menai Straits, and alleges the necessity of towers, from which to suspend in Permit me, with due deference, to propose a plan, which might strengthen the tube, without having recourse to towers—namely: by fixing very strong tension bars in the following manuer:—Supposing the tube to be 460 ft. in length, I would divide it into four parts of 115 ft. each. From the five equidistant points thus created, I would suspend very powerful wrought-iron tension rods and supports—two from the centre for each one from the other points; then unite the three other sinds on each side, at a point about 130 ft. from each point of support for the tube, and connect the whole by horizontal bars of sufficient strength, to give the whole structure the firmness and solidity required.

Colleged, July 8.

CEYLON RAILWAY—ATMOSPHERIC SYSTEM.

Caleford, July 8.

CEYLON RAILWAY—ATMOSPHERIC SYSTEM.

Siz.—If a railway is actually intended to be constructed in the island of Ceylon, I think the directors ought to take into consideration what system would be most effectually worked after its completion. The directors, I am afraid, will find great difficulty and expense in sending out from England engine-drivers, stokers, and mechanics, for the locomotive department, considering the great distance from England—and the limited mechanical knowledge of the natives will render the working of the railway a matter of no little importance. Under these circumstances, I have ventured, through your columns, to saggest that the directors substitute Messrs. Clarke and Variey's resilient atmospheric railway system for the locomotive, which, I understand, they have announced their intention of adopting, which I consider, from its simplicity, to be in every way calculated for such a place as Ceylon. Even the Malays themselves might be taught to repair any defect in a short time, while no person could ever think of trusting a locomotive engine into their charge. When we examine the gradients of the intended railway, I am led to consider it might be worked far better with the atmospheric system than the locomotive. I am well aware of the great difficulty our continental neighbours had to contend with, to get efficient native engine-drivers for their railways, and, consequently, were obliged to get men from England. From what I am able to judge of the Ceylonese, there will be far greater difficulty to contend with in the working of the railway, than has-ever been experienced in any part of Europe. Again, the present average estimate for a single line is 15,000. per mile: from the simplicity and cheapness of Clarke and Varley's system, I am confident the road might be constructed at 10,000.—thus, by this system, a saving of 5000. per mile will be effected, and the working of the railway afterwards less difficult.—G. Stepheno, C.E.: London, July 6.

TON MAWR COLLIERIES AND RAILWAY, SOUTH WALES.

The relatively effective and in the control to the could not have greatly asset that he bound to the country and the country a

ceed, in the accound place, to answer Mr. Richardson's malicious misrepresentations respecting this property.

In my last communication, I staised that Mr. Richardson was employed upon the works about three years ago; and that he was then discharged, in consequence of his having proved himself to be utterly ignorant of his basiness.

In the beginning of 1843, Mr. Richardson was instructed to visit and inspect the Ton Mawr Railway and Collieries, and then is report upon their condition and value. He went accordingly to the Ton Mawr Collieries, and then, I believe, carefully inspected them and the railway; and, having done so, he made a written report thereon, which is dated the 14th February, 1843.

Consonant with the instructions I received, I proceeded to Glarsorsanshire, on the 19th uttime, and inspected the several works, and instituted the needful inquiries, to which you directed my attention. I now beg leave to report to you the result of my inquiries, and the opinions I have formed of these important with result of my inquiries, and the opinions I have formed of these important with result of my inquiries, and the opinions I have formed of these important with result of my inquiries, and the exception of one, which is ascending, and is worked by a fixed cugine, all the planes descend with the local, and are worked on the solicating principle.

Considering the nature of the country, and that the best coal is 1600 feet above the level of the case in the country of the country and that the local coaling, and that the local coaling, and the opinion of the cartinworks, in excavation and calmoniments, are generally well exceuted, and you or of the country, and that the solicating principle.

Considering the nature of the country, and that the best coal is 1600 feet above the level of the case in the country of the count

nk, be a reas is, be a reasonance control, our limit purposes. The report then proceeds to state the extent of coal which had been purchased and leased by Messra. Strange and Parsons. It shows that they had purchased the minerals under 382 acres of land, and that they held leases, for 99 years, of the minerals under 384 more acres, at sleeping rents, amounting altogether to 27904. a year. After making some observations upon these leases, Mr. Richardson's report proceeds to show

this mode of working. As there is sufficient descent, from the face of the work to the mouth, or entrance, the water runs off freely, and the whole of the mines are free from hydrogen and other noxious gases. There are five mines now opened.

As demestic fined at Neath and Swanses, and as a sea-coal at the three ports, there are none-that can compete with it; and it may, therefore, be considered certain, that the demand for this coal will be great. In the best coal Messys. Strange and Parsons can most undoubledly successfully compete with other coalowners. With the second coal, they enter the market as advantageously as others, if not more so; and, with ordinary management, they must. I think, ultimately successful in their speculation.

The report then gives a series of calculations, in order to show what is the cost of werking the coal, and what would be the proceeds, and titthen proceeds as follows:—If thus appears, after carefully going through every item of the foregoing estimates, made from the data feel olitected on the spot, that, after the most liberal deductions, in In reviewing what I have written, I observe that there is one subject omitted; and that is, whether it would have been better if the railway had parsued the course of the Aven Valley, by Aberaven, to Pert Talbot, instead of its precent route. With the view of ascertaining which of these lines was the best, I went along the Avon Valley to Port Talbot, and inspected the harbon there; and the result is, that I am of opinion that the Aven line would have been less expensive; but the harbour is so dangerous and difficult in its apprecise from the case, that is, to 2s. a ten more freight is obtained by aling going there, instead of to Neath or Swanses; and, even with this advance, many owners refuse to allow their ships to go there. Taking also into consideration, that such a route would have excluded the towns of Neath and Swanses, without giving any corresponding advantages in routing, there can be little doubt, but that the route of the prese

leckes. When he had been engaged there for some montas, are made a second report, dated the 25th Jally, 1843, from which the following is extracted:—

Entract from Mr. Richardson's Second Report, dated July 25, 1948.

In abmitting to you a second report on the Tom Mawr Coilleries and Railway, it gives me pleasare to state to you, that the experience I have had, in directing the working and transit of the coal, has continued the favourable opinion of the concern, which I expressed in my report to you of the 14th February has. The estimate I therein made of the experience of working the coal and railway, have been practically tested; and, as I shall afterwards show, by abstracts from the pay bills, have proved to be remarkably near the actual cost. The ceal has been more extensively worked; and, as If has become known, it superior quality appears to be appreciated, and the demand equals the increased supply. The mines and railway are in an improved condition, and the whole concern is in better working order than when I has reported to you. Under all the eigenmentages of the working order than when I has reported to you. Under all the eigenmentages and after carefully reviewing my last estimate of the value of the railway—the cost of which may now be stated, ar Exact, at 47,0004.—I am of opinion that it is now well worth 28,7444.

From what I have said, you will perceive that the Tom Mawr Coal, by its superior quality, and the comparative cheapness with which it may be produced, has decided advantages over other coal which competes with which it may be produced, has decided advantages over other coal which competes with high it fine the market. As a proof of its good quality, a letter was yesterday received from Messrs. Williams's, Cornwall, who bought 10,000 tons of it—expressing their high satisfaction of the coal. As it is well known they were strongly prejudiced against, their testimony in its favour, after trying it, is the more favour after two proofs eales, that the permaneney of the traffic is unquestionab

CURIOUS CALCULATION—WHAT IS A BILLION?

Six.—In looking over your paper of Saturday, June 26, I find the following—" Curlous Calculation—What is a Billion 2" &c. You way count 160 or 170 in a minute; but suppose 200 is counted, then a day will proctner 280,000; and a year of \$65 days, 105,120,000; for, to count a million times a million, you would require \$612 years, 34 days, 5 hours, and 30 minutes. The above is a rough copy of the question, as printed in your Journal. In the first place, there is an error in the number which a person is supposed to count in a day; supposing him to count 200 a minute, and 24 hours a day will make 288,000, instead of 280,000. How do you account for this difference? Secondly, place the sumber of years required, &c., to count such a number as a billion, would be \$9512 years, 342 days, 5 hours, and 20 minutes. This would be about 309 days more than what you make it. I should like to see year working of this sum; it must be as error. Underneath is the sum worked, from which you will be able to see, it cannot be done in less time than I have named.

105,120,000—365 days, or I year. 9,612 years. 200 to be counted in 1 minute.
60 minutes to 1 hour.

219,240,900 105,120,000 825,600,000 946,980,000

999,901,440,000 98,496,000—342 days. 60,000= 5 hours. 4,000= 20 minutes

1,000,000,000,000-1 billion. A READER.

12,000 to be counted in 1 hour. 24 hours to 1 day.

288,000 to be counted in 1 day.

EFFECTS OF THUNDER-STORMS ON IRON BEDSTEADS.

EFFEUTS OF THUNDER SIQUENCE OF AROLA DISCUSSION.

Sia,—Would you permit me, through the medium of your Journal, to sak, from Dr. Murray, or other of your scientific correspondents, the favour of an answer to the following (at present) rather important questions:—Whether, in the event of a thundersorm, when the air is highly charged with the electric fluid, there is danger to be apprehended from the use of fron bedsteads? and, if so, by what means that danger could be averted?—A. B.: Lelington, July 9.

CALICO PRINTING BY ELECTRICITY.

Sin,—I should feel obliged if some of your numerous correspondents won
though your Journal, with Mr. Bagge's process of cali
by electricity.—G. S., C.E.: Londow, July 8.

RECENT AMERICAN PATENTS.

RECENT AMERICAN PATENTS.

[From the Journal of the Franklis Institute.]

Magnetic Telegraph: S. F. B. Morse, New York city, New York, April 11.—Claim.—
"What I do claim as my invention, and desire to secure by latters patent, is the receiving magnet, or a magnet having a similar character, that eastains such a relation to the register magnet, or other magnetic contrivances for registering, and the length of current or telegraphic line, as will enable me to accomplish, with the aid of a main galvanic battery and the intervention of a local battery, such motion or power for registering as could be obtained otherwise, whithout the use of a much larger galvanic battery. I claim as my lavenion the use of a local battery and magnet, in combination with a battery and magnet connected with the line or lines of conductors, for the purpose above specified. I also claim the combination of the apparatus connected with the clockwork for setting off the paper, and stopping it with the Jen lever. I also claim the combination of the points affixed to the penlever, with the grooved roller for marking on paper, as above described.

Improvements in the Magnetic Letter Frinting Telegraph: R. E. House, New York city, New York, April 18.—The publication of an account of this patent, the specification of which runs through some 25 folio pages, would carry us beyond our limits, particularly as it has already been published in several newspapers.

Claim—"What I claim as my invention, and not previously known in the above described magnetic letter telegraph, is—1. The manner in which I arrange and combine the finger-keys, a key shaft, and a circuit wheel, respectively, for the purpose and substantially as herein described.—2. The combination of the eccapement with the type wheel, by means of pins in the side of salt type-wheel corresponding in number with hill the number of letters and other characters which the type-wheel is constructed to form, and the above combination and arrangement of the escapement and type-wheel for combination of the type-wheel with the lever, by means of pins faced in the sides of said type-wheel experiments and type-wheel in combination with magnets, as herein described, and for the purpose herein stated.—3. The combination of the type-wheel with the lever, by means of pins faced in the sides of said type-wheel equal in number to the number of letters and other characters formed (and type-wheel equal in number to the number of letters and other characters formed (and type-wheel equal in number to the number of letters and other characters formed (and all as described in said specification.—4. The manner of combining the shafe with the lever, by means of the plan, and projections on said wheel.—5. The combination of the lever-with the hydraulic regulator, to produce the effect herein pointed out, and in the manner herein described.—5. The manner of producing and regulating the several motions of the paper cylinder by the combined action of the lever; the type-wheel, the combination of the paper cylinder by the combined action of the lever, the type-wheel, the combination of the paper cylinder by the combined action of t

magnet for the purposes specified."

Improvements in Ballroad Wheels: T. Glasso, Wilmington, Delaware, April 4.—This is for a mode of stateming the treads or tree of rallroad wheels to the main rim, or contre, as it is termed in the specification before us. The outer periphery of the centre is made conical to fif the correspondingly formed inner periphery of the tread, and the outer periphery of theresaxes or finner rim is grouved to receive a ring cit in three parts, so that when the outer time or fread is slipped on, by means of radial screws, the segments of the ring can be forced into a groove in the inner periphery of the outer rim: one face of the segment ring being bevelled—so that, when forced out, they (the segments) should act as wedges to force the outer on to the inner rim.
Glaim.—"What I claim as my invention, and desixe to secure by letters patent, is the mode of connecting the centre with the rim by the circular wedge, which is divided into three parts, and fastening the same by the screws, as described in the specification."

three parts, and fusioning the same by the screws, as described in the specification."

Improvements in Propellers for Steam-Vossels: D. Deahon, 2d, Now London, Connecticut, April 4.—The paddles are hung by journals to the arms of the wheel that they may tarn therein, and to the journals there is an arm extending to the same distance on either side of the axis of, and parallel with, the plane of the paddle; and these arms are provided with wrists that are acted upon by a series of circular projections on the rim of the wheel, for the purpose of turning the paddles that they may present fuel authorize to the water at the point of maximum propulsion, and feather when passing through that portion of their circuit in which they are not required to propel the loat.

Claim.—"Having thus fully described my improvements, what I desire to secure by letters patent, is the method of turning the paddles, as herein described, by means of a revolving ring, having quiding projections thereon, around which the wrists on the arms of the paddles play in the manner and for the purpose set forth."

Improvement in the Water-wheel: J. Deniston, Lanier, Ohio, April 25.—This wheel consists of an inverted frustrum of a cone, to the periphery of which are strached the buckets, which project radially, and run down in a curve from the upper to the lower edge. The water is delivered on to the wheel through inclined shutes.
Claim.—"What I claim as my invention, and desire to secure by letters patent, is the combination of the cone, conical hoop, and carved floats, substantially of the form and in the manner set forth, far the purpose of forming a conical percussion water-wheel. I also claim, in combination with my improved water-wheel, the auglie of inclination, and peculiar arrangement of the water shutes, for the purpose of producing the action of the water upon the wheel, substantially as herein set forth."

[To be continued in next week's Mining Journal.]

TEAM COAL—WITHOUT SMOKE, as per experiments made at her Majesty's Dockyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.).

OFFICES—2, MOORGATE-STREET, LONDON.

The directorsare new prepared to surply steam ship companies, manufacturers, shippers, and others, with the company's steam coal, either at the company's wharfat Swansea, or in London. A statement, showing by comparative trial the superiority of this coal for steam purposes over every other, and a scale of prices, may be had on application at the company's offices here, or at their wharf at Swansea.—March 18, 1846.

MINING ADVENTURERS' SUBSCRIPTION ROOM,
ORIGINAL REGISTRY OFFICE FOR THE SALE AND PURCHASE OF
MINING SHARES.
CROSSMAN, SOM WERS, AND CO., AGENTS,
28, THREADNEEDLE-STREET LONDON.
SHARES FOR DISPOSAL.
Pedford United Mines

combe Mine
avon and Courtenay Consols
ew East Crowndale
ast Wheal Rough Tor
reat Wheal Frederick Tin Mine
rambler and St. Anbya
reat Wheal Bough Tor Wheal Mary and Elizabeth

Pennant Wheal Rose Wheal Rose Consols South Wheal Maria Wheal Susan &c.

STURIAN MINING COMPANY.—Notice is hereby given, that the SHARES upon which the CALL, due on the 31st of December last, has been PAID (the Numbers of which are herewith published), will be FORFEITED in seven days of the date of this advertisement, and SOLD for the benefit of the court, unless the call, with interest, be paid on or before that date.

Husive. Nos. 1711 to 1720, inclusive. 3361 to 3430 ". 3441 to 3460 ". Nos. 5391 to 5440, inclusive. Nos. 5391 to 5440, inclusive.

And Notice is also given, that the Numbers of the shares liable to forfeiture for non-ayment of the call, due on the 64th of April last, will be published on the 15th inst., and prefeted, unless the said call, with introest, be paid on or before the 31st inst.

By order of the board,

Comes of the company, 9, Austinfriars, July 9, 1847.

RISH WASTE LAND IMPROVEMENT SOCIETY, 5. T. MILDED'S-COURT, POULTRY, LONDON.

a is hereby given, that a SPECIAL GENERAL MEETING of the shockety will be HELD at the King's Head Tavern, in the Poultry as, the 13th of July next, at Twelve o'clock precisely, to lay before then elety's affairs, and to consider the best course to be pursued for the fat By order of the court of directors,

By order of the court of directors,

FREDERICK FEY, See

STRONG MIXING PIG-IRON.—The YSTALYFERA
This iron mixes well with Scotch rot. IRON COMPANY beg to solicit ORDERS for their ANTHRACITE PIG-IRON. This iron mixes well with Scotch pig-imparting to it strength and elasticity, and receiving from it a portion of its softness and fluidity. No. 3 Pig is recommended for mixing with soft from-Nos. 1 and 2, for machinery castings, requiring great soundness and strongth. At this period, when cast-iron is so much employed in the construction of bridges and other buildings, requiring all the strength and elasticity which the bost mixture of metal will afford, it may be interesting to call attention to the characteristics of ANTHRACITE PIG-IRON, as arrowarms on by that great practical authority, the late David MCABET, ESQ., M.I.C. E.—

"It greatly exceeds, in strength, in defective powers, and capacity to resist impact, any, iron at this time manufactured in the United Kingdom."

"It now only remains for me to mention a property peculiar to this iron, which was noticed at the time I made the trial experiments, four years ago, but which has been more fully developed in those more recently made. The property referred to is one of great apprisioness, or classicity, which communicates a tendency to the bar, in deflecting and breaking, to resume its rectangular form. Bars that had obtained a permanent set of 2-10ths, when afterwards broken, presented but a slight deviation from a right line; and, in no case, did the curvacture exceed one-fourth of a tenth."

"It was also remarked, that most of the fragtures, in breaking, presented a regularity of grait throughout, resembling the structure of wakardened deed."

Address THE YSTALYFERA IRON COMPANY, Dated June 22, 1847.

HOT-BLAST WITHOUT COAL, LABOUR, OR REPAIRS.

Apply for particulars, or to inspect the process in operation on six blast-furnaces, to J. Palmer Budd, Esq., Ystalyfera Iron-Works, near Neath.

Dated June 25, 1847.

WHEAL TRESCOLI. MINE, NEAR ST. AUSTELL.—
This valuable MINING PROPERTY, that stands without an equal in this part
of the county of Cornwall, with its EXTENSIVE SETT, is now ON SALE: and to facilitate which, a sample of its The Ores are being exhibited for a few days, at 5, whitefriarstreet, Floct-street, which, for size and richness, cannot be equalled by any in London
(the British Museum included); to give a faithfully true description of those stones would
be perfectly absurd, as no one would believe such a statement; the proprietors, thereforce, respectfully beg to lavite the public to come and impetent them, when a fall description will be given. The engineer of a celebrated adjoining mine is in attendance, from
Ten till Four, for that purpose: the object being to make the public acquainted with pid
quality of the ores, and then proceed to form a scompany on their merits alone.

Apply to C. S. Richardson, Commercial and Mining Agent, 5, Whitefriars street, City

VORTH WALES MINING COMPANY, county Merionetta UPON THE COST-BOOK SYSTEM.

Divided into 12,500 parts, or shares, with a deposit of £2 10s. per share.

y a clause in the Cost-book the shares are limited to £10 ench, but it is not articipated that more than £5 per share will ever be required; and no call beyond the original deposit of £2 10s. per share will be made, until after a dividend shall have been declared.

OPFICES—No. 2, NEW BROAD-STREET, LONDON.

OFFICES—SO. 3, NEW BROAD-STREET, LONDON.

The Right Hon. Lord Viscount Lake, Gloucester-place, Portman-squ
Aston Clinton, Backs
The Hon. Edward Cecil Curzon, Scaradale House, Kensington
Sir Harry Dent Gorfing, Bart., Tryschwyn, Augleses, North Wales, & Hig
Luke James Hansard, Esq., Southampion-street, Bicomsbury-square.

Luke James Hansard, Esq., Southampton-street, Bloomsbury-square
COMMETTEE OF MASAGEMENT.

The Hon. Edward Ceell Cifizon, Searsdale House, Kensington
George D. Aubin, Esq., Southages, Maint.
Edward Harting, Esq., 44, Great Ormond-street
James Harvey, Esq., Brynygwin, Dolgelly, North Wales
J. Homfray, Esq., 24, Connaught-square
J. M. Macdonnell, Esq., Middle Temple
(With power to add to their number).

PBINCIPAL MINING CAPTAIN—Capt. W. Williams, of Praze, near Cambo
Makagino Clerk at the Mines—Mr. J. C. Goodman.

BANKESS.

LONDON—Messrs. Glyn, Halifax, Mills, and Co., Lombard-sir
WALES—Messrs. Jones and Williams, Dolgelly, Merionethshir

eapside; and Messra. Wyr

walles—Resert, ofnes and winning, section assumed walles—M. W. Fisher, Esq., 3, King-street, Cheapside; and Messra Wy ALES – Messra, Owen and Griffiths, Dolgelly, Merionethshir at Chemist – Dr. Andrew Ure, F. R.S., F. S. A., Chariottie-street, Be Forser and Schemar in London—W. T. Griffiths, Esq.

The mines proposed to be worked by this company extend under a surface of above 1000 acres, and are situate in the neighbourhood of Deligully, in the country of Marioneth. Tropectuses and every information can be obtained at the offices of the company, 2, New Broad-street, City, where specimens of the ores, and original assays by some of the principal assays are of the present day, as well as the mariascript reports of several eminent mining exptains, may be inspected.

Application for characto be made to the purser, at the offices of the company, the solicitors, and the following brokers and agents:—Mr. B. Rankin, stockbroker, 23, Token-times, and the following brokers and agents:—Mr. B. Rankin, stockbroker, 23, Token-times, and the following brokers and segents:—Mr. B. Rankin, stockbroker, 84, Michael's-likey, Cornhill: and Mr. C. W. De Bernardy, 66, Leicesster-square, London; Messra, Tardwell, and Sons, and Mr. J. Fernyhough, Manchester: Mr. P. Kempson, sharebroker, Birmingham; Mr. C. S. Edsall, Truro; Mr. J. Cunningham; Jun., Bristol; Mr. T. A. distress, Swanzes, South Wales; and Mr. J. Russell, Exchange south-cast Liverpool; dostra, C. Welbeloved, and Co., Leeds; and Gapt. W. Williams, pear Crownan, Cornwall, Opins of the prospectus can also be had at the offices of Mr. R. English, mining engineer, 15, Fleet-street; and at the Mining Journal, 26, Fleet-street; London.

MPORTANT TO ENGINEERS, MANUFACTURERS

ENVINEEDRS, MARNUFACTUREDS,

Gears. W. & C. MATHER beg to call the attention of the ABOVE PARTIES to their

IMPROVED PATENT ELASTIC METALLIC PISTONS.

PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT to

the great ELASTICITY and SELF-ADJUSTING PROPERTIES, which enable it to

a to any inaccuracy of the cylinder, whether oval or taper, and to move with the least

like frieldom.

possible friction.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of metal, having the vertical and interal pressure in due and proper proportion, independent of each other.

3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.

Mesers. W. & C. MATHER feel confident that it is the BEST ELASTIC METALLIC PACKLING yes known, for the above reasons.

Models may be seen at the Salford Iron-Works, Manchester; at W. Barker's, engineer, Rewton-Moor; and also at J. Mather's, engineer, Beaufort-street, Chelsea, London.

MORTANT TO RAILWAY AND STEAM NAVIGATION COMPANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBRICATING PLUID (or Animal Oil) FOR ALL DESCRIPTIONS

W. BROTHERTON AND CO.'S

PATENT LUBRICATING PLUID (or Animal Oil) FOR ALL DESCRIPTIONS

W. B. & CO. have the pleasure to stake, that the above stricle is extensively used in her Majesty's Steam Navy, and by essentil of the principal Steam Navigation and Railway Companies, and is prosounced by them, and by the first practical engineers of the day, to be far better salapied for the propose of lithrication than any other article hitherto used for such purposes. The Patent Lubricating Finid is equally applicable for the most intricate and fine pieces of machinery, as for the heaviest bearings of the steam-engine. It is cheaper, much more conomical, and cleaner than oils at present in use 1 is free from smell, and calculated to effect a vast saving in the expenditure of working issuam powers.

Farther particulars can be had, and testimonials seen, by application to the manufactures, when the property of the particular can be had, and testimonials seen, by application to the manufactures, when the property of the prope

DATENT KAMPTULICON COMPANY, 18, CORNHILL. This company having completed their new factory, are propared to supply railway are and contractors with an clastic material (perfectly non-absorbent) to place befor rails and eleopeus, and between the frames and bodies of carriages, to prevent, and, consequently, wear and tear. The elastic planking is strongly recommended SNOWDON AND DALAWIN COPPER MINES;

In 200 charce, of £10 each.

The SETTS on which these two promising MINES are situal
CARNABVON, and are held under leasn from the Hon. Going

of copper have costs insice. The whole of the locus comprised in the Showdom district are six in number, and in the Dalawin district three have been opened on; lock *since are is full course of west, and sacking regular returns of copper—upwards of £10,000 value, of which has been disposed of.

The engine-shaft at Dalawin Mine has been sunk 20 fathoms helow the adit level, and a level driven upwards of 30 fathoms on the course of size vein, from which large quantities of copper have been obtained. The vein is still going down through the whole length of the level, and the present working is half a yard wide, produsing (from the mine) creat from 12 to 15 per cent. A 3º-feet water-wheel, with pumps, grinder, dressing machinery, and necessary bulldings, have lately been created at considerable expense, and are fally capable of grinding and proparing for market a large quantity of ore.

The Snowdon Mine is worked by sk levels driven on the voin -two only of these are at present worked, and producing good resizes; the ends of those levels are still rich in ore, and it is proposed to connect these by shafts, so as to afford an opportunity of working the whole by means of stopes, by which a considerable quantity of ore would be obtained at a small cost (fee expense of sinking these shafts would be paid by the ore obtained in sinking the same); the water from the mine passes off by these levels, thereby rendering the expense of pumping unnecessary. A 40-feet water-wheel, with two sets of grinders, dressing machinery, and stamp-heads, have been erected, and a large expense has been incurred in forming a road to the grinding-house, so as to remove the difficulty of transit from this long-neglected, but valuable, mine.

The present proprietors—being only few in number—are anxious to work the mines in a more effectual manner, and upon a more extended scale—having hitherto confined their operations to only one lode in each mine. They are, consequently, induced to offer ONE-HALF of their INTEREST to the public, upon terms wh

"Original Registry Office for the Purchase and Sale of Mining Shares," No. 28, Thread-needle-street, London.

LLBOROUGH SILVER-LEAD, CALAMINE, AND RAYTES MINE.—PROSPECTUS.

This MINE is situated in the parish of HUTTON, Somerast, which four miles of Weston-Super-Mare, and Uphill Quaya, and 2½ miles of the Baswell station, on the Great Western Railway, is divided into 256 shares, and managed on the Cost-hook System. The sett, which comprises 800 fathoms in length and 406 fathoms in width, contains a great number of lodes, which have proved very productive as far at they have been vrought." It is well-known that for centuries past large quantities of lead ores have been railed by the system of gruffing, a rade sort of mining of the district, and parties so working, obtained large profits, although paying at the rate of 1-8th and even 1-4th to the lend, as dues or royalty. But, although this sett has been a very productive one, even by the rude operations of the gruffors' operations are visible for several hundred fathoms in length, and the rubbial, or waste deposits therefrom, on the surface, sufficiently indicate that large returns may be expected, if these mines are properly worked.

The report of the neighbourhood induced the present company in May last (1846) to solicit a grant of the sett; and having obtained it at moderate dues, they commenced clearing up the old workings in soveral places, and having fully satisfied themselves of the value of the sett, they have commenced sinking two new shafts, in order to get under the old workings, while all he intersected within the depth of 60 fathoms from aurisce.

The other is on a lode from which several tons of lead have been raised by the present company, from the old workings, while on this lode have been reased by the present company, from the old workings, while on this lode have been reased by the present company, from the old workings, while the purpose of mining advantageously; this shaft is, therefore, being sunk east of these workings in whois ground.

It

a profitable siste of working.

REPORTS.

TO ME. B. VIVIAN, TUCKINGMILE, CARROBNE, CORNWALL.

SIR.—I have been a resident in this part for the last eight years, and have traversed this mineral country from the Bristol river to Wells, which is about 30 miles north and south, and from Bash to Bristol river to Wells, which is about 30 miles north and south, and from Bash to Bristol river to Wells, which is about 40 miles, east and west, and have, in so doing, cannined very carefully the geological and mineralogical position of those iscallities, and find they are composed of mineral or mountain limestone, old red sandstone, new red sandstone, last, spenant, magnesian Immedone, and conglomerated limestone, quart, fluor-spar, silex, and jasper; there are hundreds of lodes and views in this range, which carry metallic and mineral ores, such as lead, iron, copper, manganese, calamine, burytes, pyrites, reddle, antimony, coal, yellow ochre, and white lead ores.

Having heard that there were some of my countrymen at Elborough, near Banwell, working a mine, I went to see them on Tuesday, and found Capt. Trevithick aids his pare dressing lead and calamines; Capt. Trewithick asked me to walk around the mine with him; I went underground at Vivian's shaft, and saw Vivian's lode, 17 fathoms deep, nearly perpendicular—a very kindly north lode: there are several lodes south of Vivian's shaft, as trong lode, and very kindly north lode: there are several lodes south of Vivian's lode, and the site the mountain limestone that the principal British lead mines are situated, and they are those of Somersetablire, Derbyshire, Vickarier, Cumberland, Sirropalire, Vinteshire, and Denbighahire—these are the most productive for load and calamine.

the principal British lead mines are situated, and her are time to construct the same above. As the same and the same and the same the most productive for lead and calamine.

The lead mines in Convail and Davon are in primitive rock, so that the Cornish and Devon miners in general know but little about limestone formation.

I think Somerst will make a great mining district, some day. I have an account of a little raine that paid in 1913, 2808 15s. 10d. for dues; and take the average, they were nor that 16 fathoms deep, and they rose hundreds of pounds worth, 8 or 10 fathoms deep—this mine is four miles east of Elborough Mine.

THOMAS HOBARTS. I am, Sir, yours &c., ngton, near Bristol, Somerset, May 6.

Sta,—In compliance with your wish I hereunder hand you a few remarks on the present appearances and future prospects of Elborough Mine.

This mine is situated on Elborough-Hill, in the parish of Hatton, and about three miles listance from Banwell station (Great Western Railway), the set extends nearly a mile on the course of the lotes (eight or mine in number), nearly the whole of which have been worked on the backs, by the old men, and from the appearance of the work done, great land your operations are at present employed to stability or the work done, great I and your operations are at present employed to stability.

worked on the backs, by the old men, and from the appearance of the work done, great quantities of lead have been raised.

I find your operations are at present confined to sinking a shaft on the course, of Vivian's lode, which appears to be the principal one, and most regular in its course, nearly perpendicular, its longitudinal direction is about 10° south of east; this shaft is sunk 18½ fathoms from surface, at which point the lode is 2 feet wide, composed principally of light-coloured fookan, apar, and calamine, impregnated with lead threaghout—a very kindly lode indeed; I would strongly recommend you to get down this shaft with all possible speed, bearing in saind there are four or five lodes to the south of this, dipping towards the lode you are now sinking on; should they retain their regular course and underlay, you will have the junction of these lodes in the shaft, within the depth of 60 fathoms; when down about 16 fathoms from surface with this shaft, they cut into a large cavern, which has been made into a good whim plat—here an end was begun, driving caust of shaft, where the lode is at present small—composed of flookan, spar, and lead, I would also recommend you to place four men in this end, as it is my opinion that the whole of the lodes in this part approximate, and form a junction between 20 and 20 fathoms further east than you now are, this being done—you will fairly prove this part of the mine; from the favourable state of the ground, a great quantity can be developed in a short time; should it continue as it now is, the cost for driving or sinking will not exceed 60s, per fathom.

On Chapman's works the lode has been laid open about six fathoms deep, where it is 2 feet wide, composed of barytes, calamine, end beautiful spar, intermixed with lead—a very promising lode.

Further north still, about 60 fathoms, there is a parallel lode with the one last mentioned; this lode has been wrought on 14 fathoms deep, where it is 2 feet wide, composed of barytes, calamine, end beautiful spar, intermixe

Mendip Hills Mines, May 6, 1847.

I remain, Sir, your obedient servant,
F. C. HARPUR
[A report from the mine, dated 7th inst., is inserted among our Mining Correspondence

WHEAL PORTLEDGE COPPER AND SILVER-LEAD

WHEAL PORTLED ON MINE COMPANY,
ON THE COST-BOOK SYSTEM.
In 4000 shares.

BANKERS — Mosst. Harding, Braginton, and Co., Bideford.
SECRETARY—M. John How, jun., Bideford.
This MINE is situated on the sea-cosst, in the parish of ALWINGTON, alread of the town of BIDEFORD, in the county of Devon, and from the riels windered by the county of Devon, and from the riels in the parish of ALWINGTON, alread of the town of BIDEFORD, in the property of one gentleman, from whom a less than a regulity or dues of the property of one gentleman, from whom a less than a regulity or dues of the property of one gentleman, from whom a less than a regulity or dues of the property of one gentleman, from whom a less than a regulity or dues of the property of the gentleman from the county of the property of the gentleman from whom a less than a regulity or dues of the property of the gentleman from the gentleman from the property of the gentleman from the gentle

tends over 500 acres of land, the property of one gentleman, from who let he of April, 1437, has been obtained, at a royalty or dues of 1-18th of the produce.

Advantages present themselves for working this mine, which rarely occur, not only as respects the appearance of the lodes, but also from the facility afforded for working it at a considerable depth without the aid of expensive machinery, as well as its being in the immediate vicinity of an excellent place for shipment.

The cliffs raing from the sea-coast (and in which the minerals are found), are sufficiently high to admit of driving an addit level on the course of the lode, about 50 fathoms below the surface of the land, thereby rendering the expense of estam or other power to clear the water from the mine to that depth unnecessary.

Samples of copper ore taken from the mine have been assayed by two different public assayers, who have given the assay result of produce—namely, 144 per cant. Specimens of aliver-lead ore have also been raised, the value of which is not yet ascertained.

In the formation of the present company the lease proposes to admit condeventurers with himself on fair and equitable terms in all the advantages which the ratio offers; 16, therefore, proposes to divide the mine into 4000 shares, reserving 1000 to himself, upon which he will puy equally with the other adventurers.

It is, per share will be required to be paid on the transfer of the shares; £1 per share to ge to the lessee, and 1s, per share to be applied to the working of the mine. Future calls, if required, to be made at 1s, per share, at intervals of not less than three months; but from the great advantages asked for working the mine, and the rich aspectment of one all the expense of the shares of the shares of the independent of one all the rich aspectment of one at the state of the shareholders at the first general meeting. No shareholder will be liable for my amount above the number of shares he holds. Applications for shares, sy other particulars, to be made to the

PIRMINGHAM AND OXFORD JUNCTION RAILWAY.

THIRD CALL OF FIVE POUNDS PER SHARE.

The directors having passed a resolution, requiring the shareholders to pay a farther CALL of FIVE POUNDS on each and every share held by them respectively, on the 2d day of August, 1847.—Notice is kereby given, that the shareholders are required to PAY such call on the day appointed, to one of the under-mentioned bankers; and, is desault thereof, they will be charged with interest, at the rate of 5 per cent. per summ, from that date until the sald call is actually paid:—

The Birmingham Banking Company. Birmingham.

Messes. Attwoods, Spooner, and Co., Birmingham.

Messes. Attwoods, Spooner, and Co., for Messers. Attwoods and Co., to Messers. Moss and Co., Liverpool, for the Birmingham Banking Company.

Messers. Spooner, Attwood, and Co., for Messers. Attwoods and Co., tasd at Mesers. Moss and Co., Liverpool, for the Birmingham Banking Company.

A streulis will be sent to each shareholder, which must be deposited at the benkers when the call is paid.

By order of the board of directors.

JOHN WM. KHISHAW, Secretary.

34, Bonneit's-hill, Birmingham, June 12, 1867.

34, Bennett's-hill, Birmingham, June 12, 1847.

CALEDONIAN RAILWAY—LOANS ON DEBENTURES.

—The CALEDONIAN RAILWAY COMPANY are prepared to RECEIVE TEMDERS of LOANS on DEBENTURES, in sums of not less than £500, for three or five
years, bearing interest at the rate of 5 per cent. per annum, payable had-yearly, in
Edinburgh, Glasgow, London, Liverpool, Manchester, or Bristol.
Tenders to be addressed to the office—Parties may also communicate personally with
Messrs. Foster and Braithwaite, 63, Old Broad-street, London.
By order of the directors, D. BANKINE, Treasurer.

Caledonian Railway Office, 132, Princes-street, Edinburgh, March 26, 1847.

ONDON, BRIGHTON, AND SOUTH COAST RAILWAY.

ENGINES AND ENGINE-HOUSES TO BE LET OR SOLD.

The directors will be ready, on the 14th of August, to RECEIVE APPLICATIONS to RENT, or PURCHASE, the ENGINES, ENGINE-HOUSES, WATER-TANKS, RESERVOIRS, &c.

SERVOIRS, &c. ATMOSPHERIC STOCK FOR SALE.

ONE PAIR of CONDENSING ENGINES, of 50-horse power each, with air cylinders, 57 inches diameter, 34 feet stroke, made by Messrs. Maudslay, Field, and Co., new fixed at Crowdon.

ONE PAIR of ditto ditto, at Forest-hill.

ONE PAIR of ditto ditto, at Forest-hill.

ONE PAIR of ditto ditto ditto.

Each pair of the above engines is furnished with three Cornish beliers.

FOUR THOUSAND to FIVE THOUSAND TONS of CAST-IRON ATMOSPHEMO TUBES, Is linch diameter pipes and valve boxes.

About TWELVE MILES of LONGITUDINAL VALVES.

Also, the same length of WROUGHT-IRON RODS, 4-inch diameter, together with a quantity of BOLTS, SCREWS, &c., to complete the same resdy for flung.

Farties desirous of purchasing all, or any portion of the above, are requested to send in sealed tenders, marked "Tenders for Atmospheric Apparatus," under cover, addressed to he secretary, on or before Saturday, the 14th August next.

Purchasers of any part of the above may have the same delivered by the company at New Gross or Croydon; but parties purchasing the engines for removal, will have to take them down, and load them on the company's trucks.

Further particulars may be known on application to Mr. R. J. Hood, engineer, Brighton, London Terminus, July 8, 1847.

By order, T. J. BUCKTOR, Secretary.

MANCHESTER, SHEFFIELD, AND LINCOLNSHIRE
RAILWAY—GREAT GRIMSBY AND SHEFFIELD JUNCTION RAILWAY.
TO CONTRACTORS.
The directors are prepared to LET the ERECTION and COMPLETION of the various
STATIONS on the portion of LINE extending from GREAT GRIMSBY to REW HOLLAND, and to LINCOLN.
Further information may be obtained at Mr. Fowler's Offices, in London, at Mr. My
be seen, on and after the 21st lend; a not the directors will meet at Great Grimsby, at
Twelve o'clock, on Wednesday, the Sight, to RECELVE the TENDERS, and let the works.
The directors do not bigd themselves to accept the lowest tender.

13. Addington-street, Westminster, July 9, 1847.

YARBOROUGH, Chairman.

MANCHESTER, SHEFFIELD, AND LINCOLNSHIRE
RAILWAY—NEW ROLLAND AND HULL FERRY.
TO STEAM-BOAT COMPANIES AND OTHERS.
The directors are prepared to LET the WORKING of the FERRY between NEW OLLAND and HULL.
Further information may be obtained, and specifications even at Mr. Fowler's Others.

LAND and HULL.

Further information may be obtained, and specifications seen at Mr. Fowler's Offices
13, Adangdon-street, Westminster, on and after Monday, the 19th inst.
The directors will meet at Great Grimsby, at Twelve o'clock on Wednesday, the 38th
ORECEIVE the TENDERS.
The directors do not bind themselves to accept the lowest tender.
13, Abingdon-street, Westminster, July 9, 1847.

YARBOROUGH, Chairman.

S C O T T I S H C E N T R A L R A I L W A Y.

TO THE SHAREHOLDERS OF THE SCOTTISH CENTRAL
RAILWAY COMPANY.

Gentlemen.—Since I last had the honeur to address you, I have seen some of the
shareholders of your company, who, though they approved generally of my letter, and
concurred in the views I expressed, were novertheless of opinion that I should have entered sericities into an exposure and contratation of all the errors and misroprocentations
contained in Mr. W. J. Anderson's letter. That, however, I couls not have deale without
unreasonably lengthening my own, which was unavoidably longer than readers in general
have nationec to peruse.

concurred in the tlews I expressed, were nevertheless of opinion that I should have entered seriation into an exposure and contratation of all the errors and misropresentations contained in Mr. W. J. Anderson's letter. That, however, I cauld not have done without unreasonably lengthening my own, which was unavoidably longer than readers in general have patience to peruse.

There is one passage, hewever, in Mr. Anderson's letter which ought not to have excaped, and to which I now bog your attention, with this remark, that when a man pails its name to statements, whether written by himself or others, he is equally responsible for their accuracy, and equally open to the position in which persons are placed, who, to serve particular objects, put forth statements at Yarlande with the truth, and found arguments and deductions upon these misrepresentations calculated to mislead these whom it is their interest to delude.

The paragraph in question is the following—viz:

"On the 29th July, 1464, the bill for amalgamation with the Edinburgh and Glasgow Company was lost; in the beginning of August an attempt was made by the Edinburgh and Glasgow directors to negotists a renewed alliance; that attempt did and succeed, because the Scottish Central directors, by the letter of Mr. Ker, the secretary, dated 12th August, 1846, desired time 'for both companies calmiy to review the position of matters, and consider whether, and on what conditions, and in what shape, any renewal of the connection should be attempted. Within a few days of the date of this letter, an apprenent was enacle by your directors with the Calcionian Company, and was signed on the 21st of August."

How does the fact, however, stand? To further the present purposes of himself and his canditors, Mr. W. J. Anderson designates the agreement as one concluded with the Calcionian Company alone, keeping out of view the names of the other parties in the Security—vix, the London and North-Western and the Lancaster and Carliale Companies; and this agreement, which he s

to statements written by others.

That the last supposition is the true one, I shall be glad to hear; but as regards your interest, that matters sot, for in either case a deception has been practised upon you. In conclusion, allow me to say that I can only protect your interest by opening your cyes, and putting it in your power to protect yourselves.

In order to forward the present movement, which has been going on for more than haif a year, stock to a large amount has been purchased; and by splitting it into lots of 10 shares, the largest possible number of votes will be commanded by those meshroom yoters, who have thus, to serve the ends of the agitators, been so qualified.

In cases of this kind the great body of shareholders are too apt to remain neutral, on the supposition that things will go right without their interference; but those who have really an interest in the success of the line should not remain supine, whilst those who have only atmonorary interest in sterve are most active.

an interest in the success of the line should not customer to be undersoon and Mr. Allan the sharea temperary interest to serve are most active.
As the leaders of the present movement, Mr. W. J. Anderson and Mr. Allan the sharebroker, were both active and sealous in promoting the existing agreement, thereby
at the time serving their own interests as well as these of the company, I hope, that to
preserve their characters for consistency, they will reconsider the position in which,
from their change of tactics, they are flow placed and to enable them and you calmly to
review that position, I beg again to subjoin topies of their letters on the occasion,

[I have the kindow to be, Gentlemen,
Your most obedient humble servant,
WM. MACDONALD,
WM. MACDONALD,

WM. Bactrost.

A P. P. E. R. D I X.

Letters of Mr. R. Allan and Mr. W. J. Anderson, signifying their approval of the agree by the Scotish Central Rativacy Company with the London and North-Western, Law and Cartiste, and Caledonian Rativacy Companies.

1. Mr. R. Allan to Mr. R. D. Ker, the Secretary of the Scotish Central. 1

And Revenue and Caledonian Companies.

1. Mr. R. Allam to Mr. R. D. Ker, the Secretary of the Scottish Central.

Edinburgh, 3d November, 1846.

DEAR SIR.—We are much obliged by yours of yesterday, the contents of which as confirmatory of all the items of the arrangement we were sware of. There are a satisfactory of all the items of the arrangement we were sware of. The area of the satisfactory of the calcood.

Yours sithfully. (Signed) ROBERT & THOMAS ALLAN.

R. D. Kar, Esq., Central Railway, Perth.

N. B. This letter is hotograph of Mr. Robert Allan, sharebroker, Edinburgh.

2. Mr. W. J. Anderson to Mr. Jamisson, the Accountant of the Scottish Central.

Siz.—It seems to have gone charge.

February 22, 1847.

Fits,—It seems to have gone abroad, that I wish to repudiate the agreement entered into between the London and North-Western, Caledonian, and Scottisi Central. Now. I solemnly declare, that not my intention. On contrary, in seeking office, I had no elect in view, but to promote the best interests of the company; and yes must have feed aware, that my friend Mr. Alian and I did everything in our power to sid and assist the directors in confirming the agreement alieded to. (Signed) W. JA. ANDERSON.

London:—Printed and Published, weekly, by Herry Essuess, at the O
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